BMS7790 – Cascade™
Blow Molded Resin Storage Shed
ASSEMBLY INSTRUCTIONS

Quality Control Number:
Numéro de controle de qualitié:
Número de control de calidad:

Assembled exterior dimensions 7' 4 1/2" W. x 7' 2 1/2 " D. x 8' 6" H.

© 2011 Suncast Corporation, Batavia, IL

0361174B

Before You Begin...

- **Consult your local authorities for any permits required to construct shed.**
  Prior to the construction of your shed, check with the local building code official to review any required permits or building limitations.
- **A level and sturdy foundation is required before shed construction can begin.**
  Site preparation information is available on pages 10-11. A foundation that differs from the suggestions within this manual could prevent proper assembly and may damage parts.
- **Read instructions thoroughly prior to assembly.**
  This kit contains parts that can be damaged if assembled incorrectly or in the wrong sequence.
- **Please follow instructions.**
  Suncast is not responsible for replacing parts lost or damaged due to incorrect assembly.
- **Check for all parts before you begin assembly.**
  Using the provided parts check list on pages 4-9, verify that you have all the parts required to construct your shed model. **COMPLETE SITE PREPARATION AND FOUNDATION CONSTRUCTION BEFORE UNPACKING ALL PARTS.**
- **Assistance is required during entire assembly.**

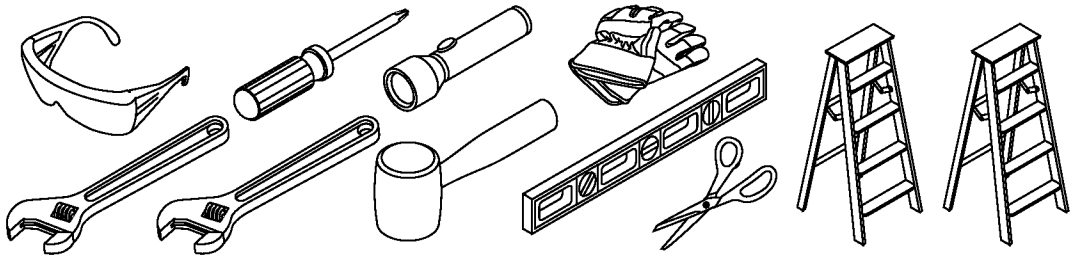
CAUTION

- Proper site preparation required.
- Shed not intended for use in extreme weather conditions.
- Shed not intended for storage of flammable or caustic chemicals.
- Store heavy items near the bottom of shed.
- Shed not intended for use by children.
- **DO NOT** stand, sit, or store items on storage shed roof.
- Treat carefully in extreme temperatures.
- Repair or replace broken parts immediately.
- Suncast is not responsible for damage caused by weather or misuse.
- At regular intervals inspect your shed to make sure that assembly integrity has been maintained.
- Periodically check that the location you have chosen to set your shed is still level.
- This kit contains parts with metal edges. Please be careful when handling.

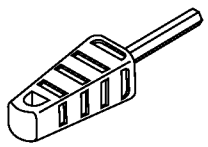
Shed Safety and Care

- Hot items, such as recently used grills, blowtorches, etc., must not be stored in the shed.
- Heavy articles should not be leaned against the walls, as this may cause panel distortion and permanent damage.
- Keep roof clean of snow and leaves.
- The shed walls and roof sections have a textured exterior, much like vinyl home siding. Over time, dust may accumulate in the texture. When combined with moisture, this could encourage the growth of moss or mold on the shed. To maintain the look of your shed, we recommend cleaning it each year with mild soap and water. **DO NOT** use bleach, ammonia, or other caustic cleaners, and **DO NOT** use stiff bristle brushes. Failure to perform annual cleaning could result in permanent staining of the plastic. This is not a manufacturing defect and is not covered under warranty.

Tools Needed for Installation



INCLUDED IN KIT



Easy Bolt Easy Driver
010210410

Assembly Day Tips

- Complete site preparation and foundation construction before unpacking parts and beginning assembly.
- **DO NOT** attempt to assemble on a day with strong winds.
- **DO NOT** attempt to assemble on days when temperature is below 32 degrees.
- Set aside appropriate amount of time to completely assemble shed.
- Make sure you have assistance nearby to lift and secure parts in place.
- Wear light duty work gloves while assembling shed.
- Once roof is assembled, a flashlight may be of use when assembling smaller components inside shed.
- **DO NOT** use a torque wrench or hand drill to tighten provided Easy bolts. Use 010210410 Easy Bolt Easy Driver tool (provided) **ONLY**.
- Suncast provides extra hardware for small fasteners for customer convenience. In some cases, there will be extra small fasteners once the assembly is complete.

Note: *This product contains parts that are used in different orientations to construct the shed. Please take note of the orientation of the parts shown throughout this instruction manual. Failure to follow instructions could result in damage to parts. Suncast is not responsible for replacing parts lost or damaged due to incorrect assembly.*

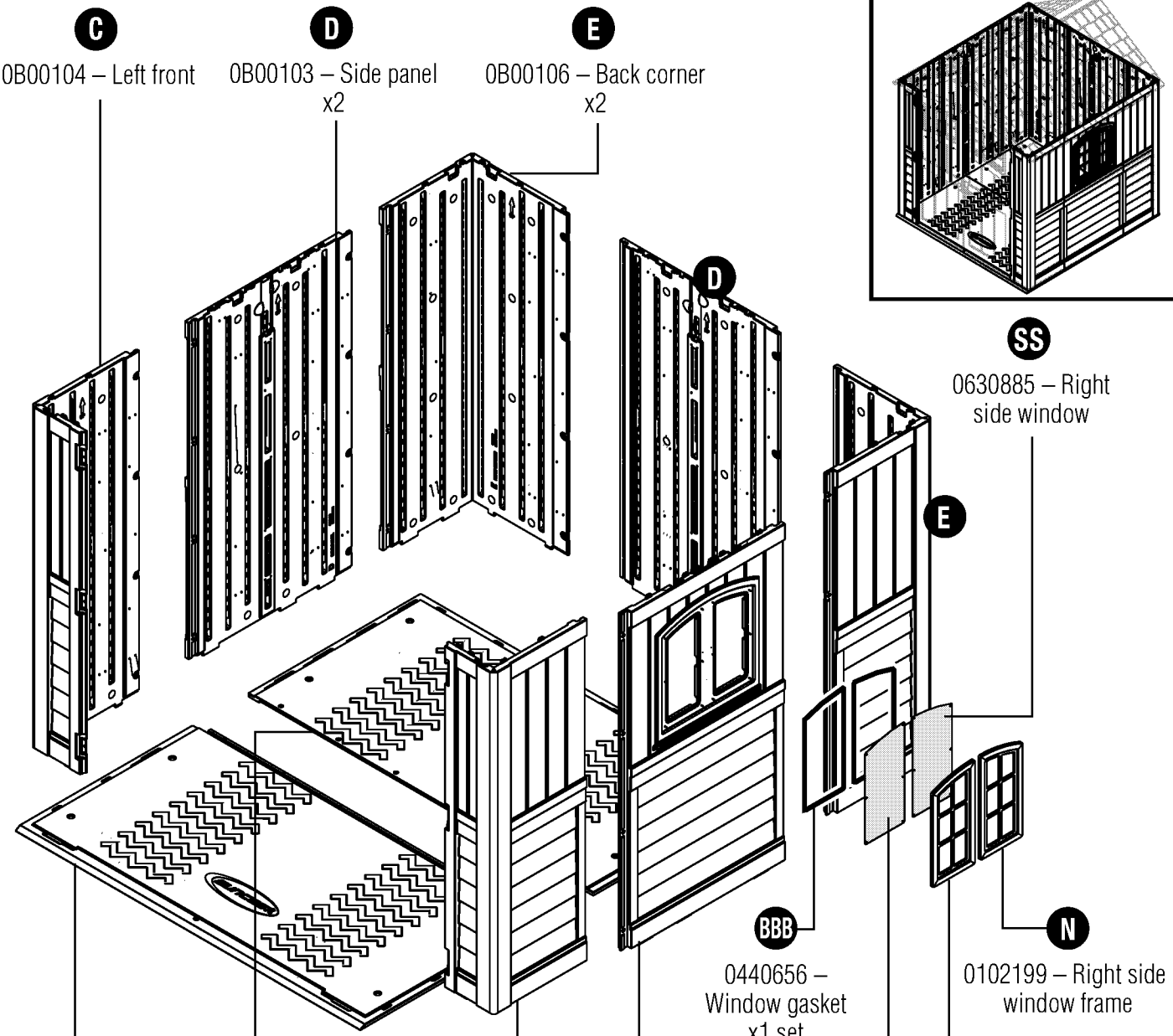
Suncast Products and Replacement Parts

To purchase Suncast replacement parts and learn about other Suncast products, visit us online or call.

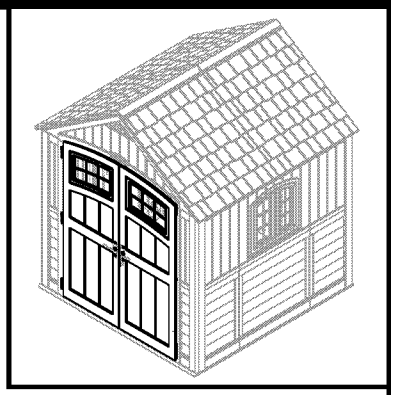
www.suncast.com
24 hours a day, 7 days a week, 365 days a year

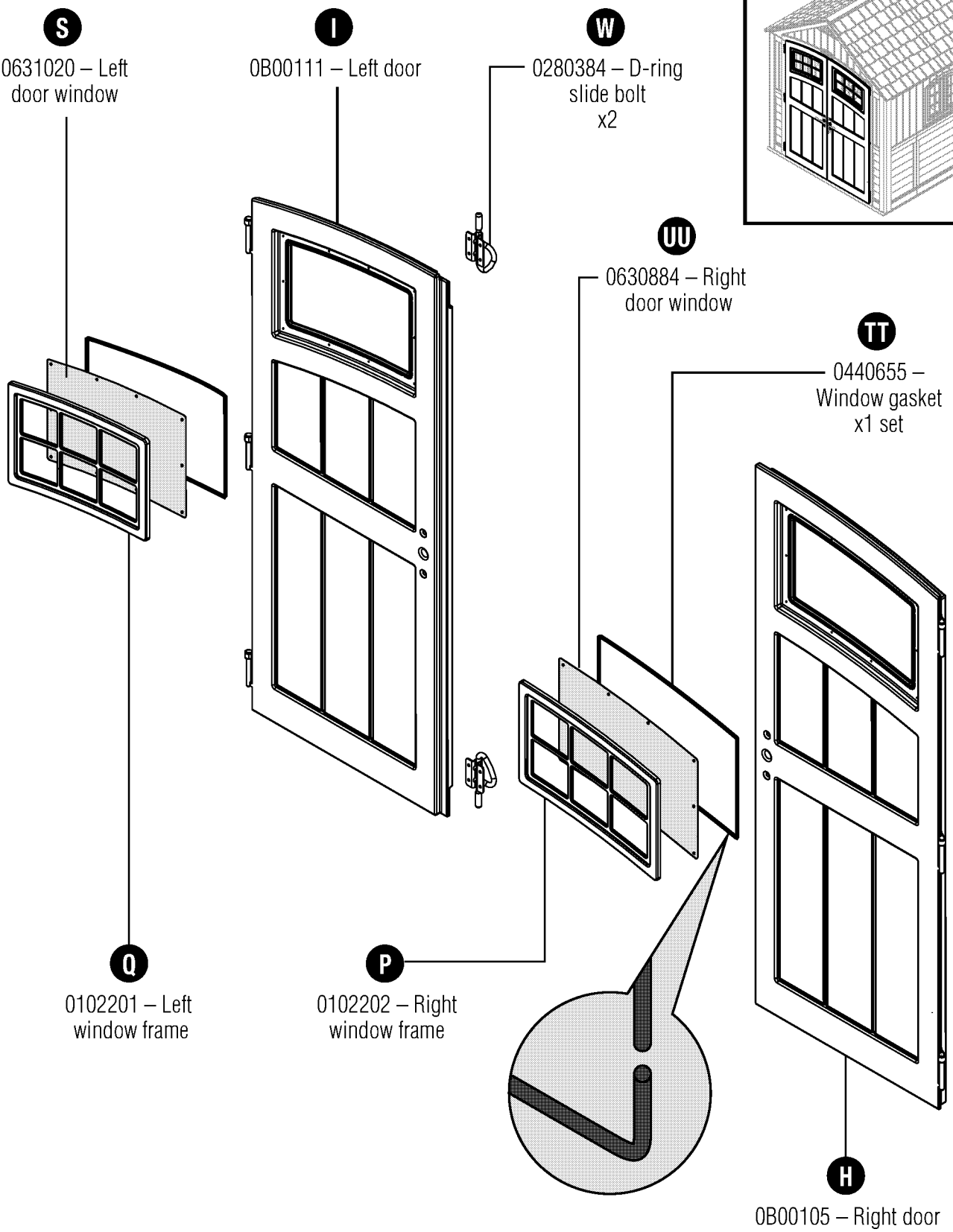
1-800-846-2345 or 1-630-879-2050
Monday - Friday, 6 am - 8 pm CST

Parts - BMS7790 Walls and Floors

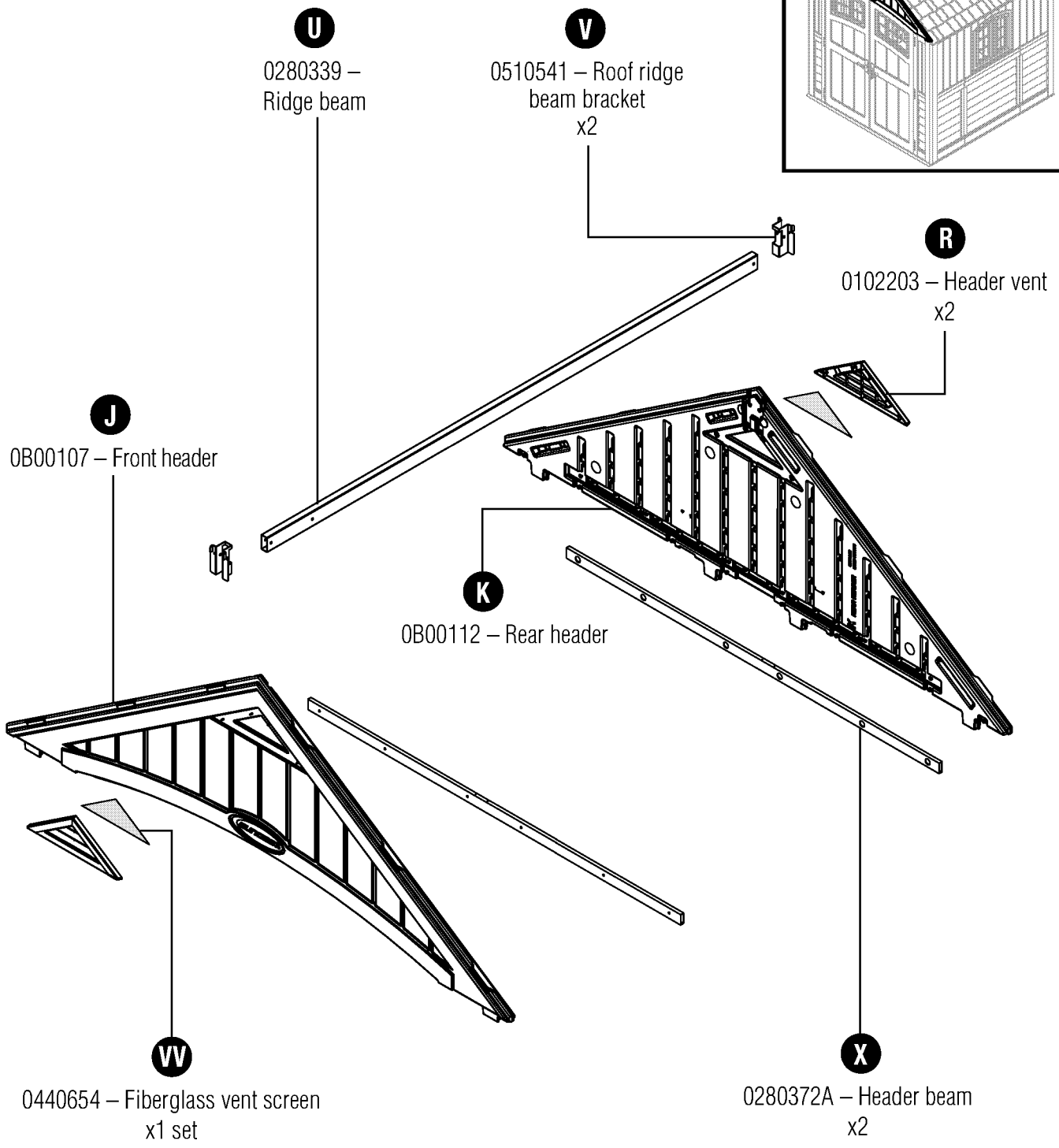


Parts - BMS7790 Doors

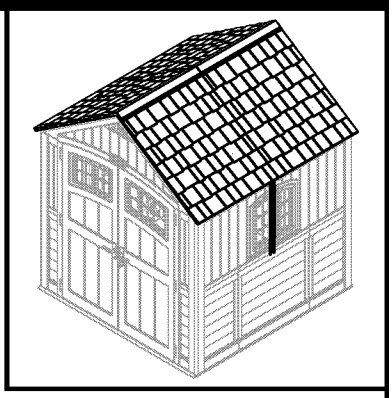


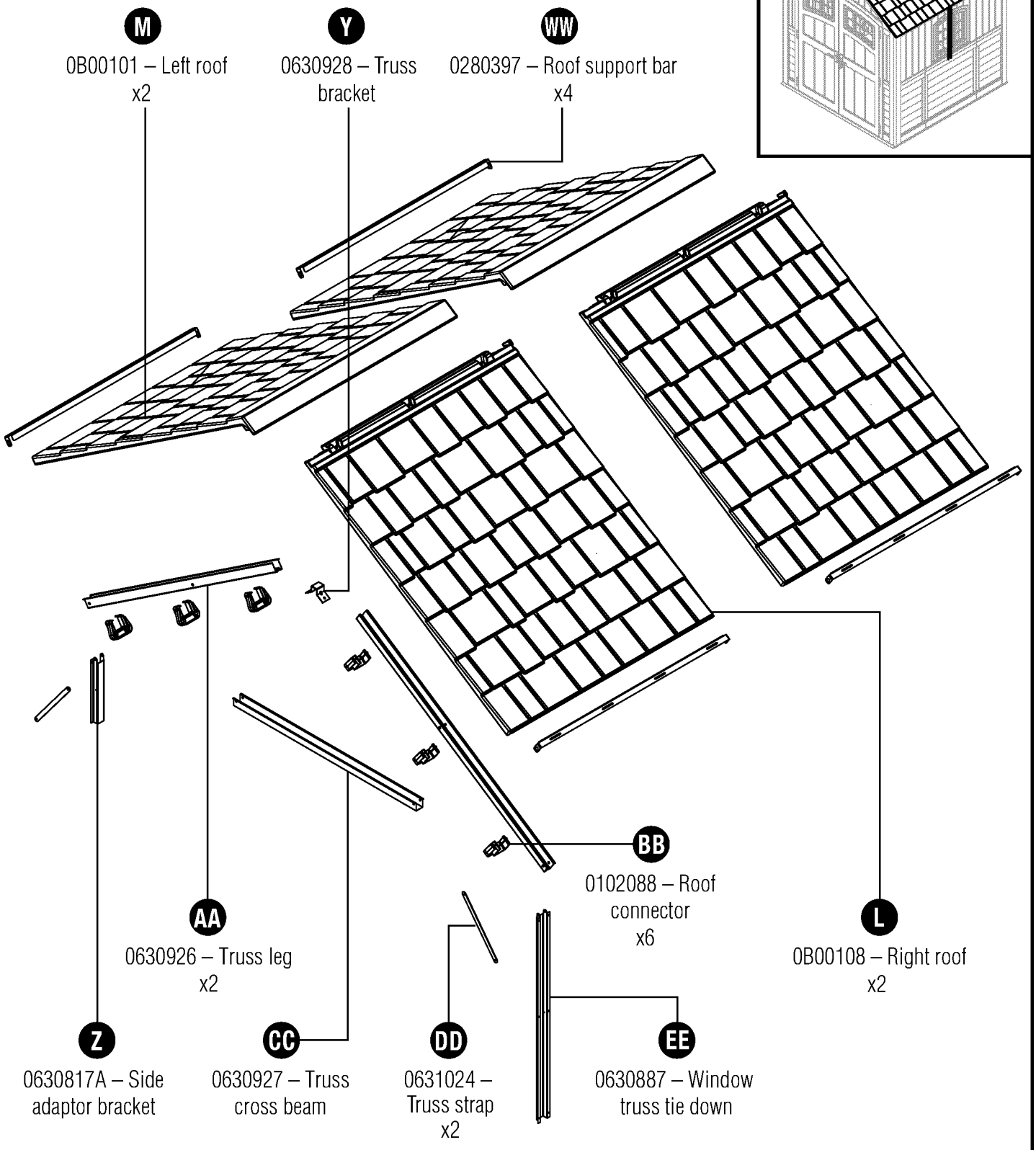


Parts - BMS7790 Headers

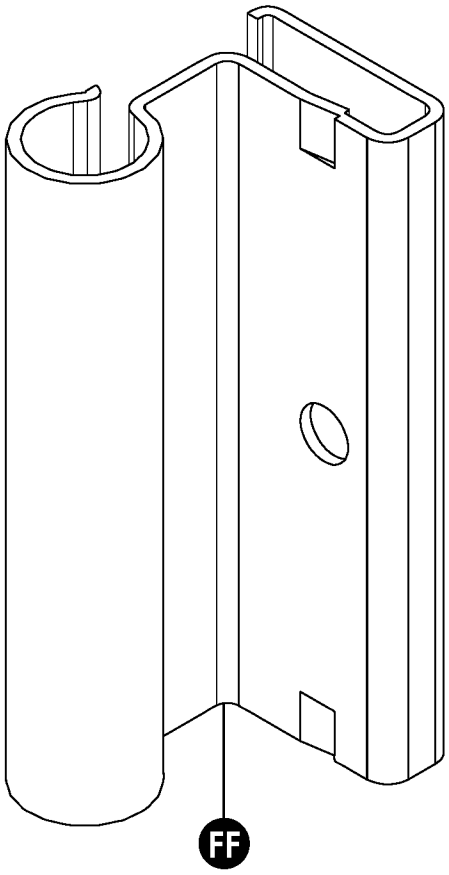


Parts - BMS7790 Roof and Truss



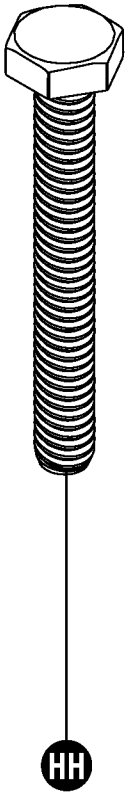


Hardware - BMS7790

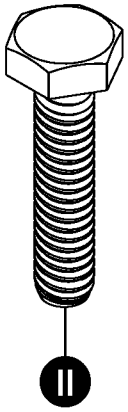


0630886 – Metal hinge plate
x6

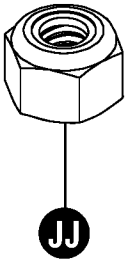
0480250A – Hardware bag



.25" x 2" Hex bolt
x4



.25 - 20 x 1" Hex bolt
x2



.25" Locking nut
x6

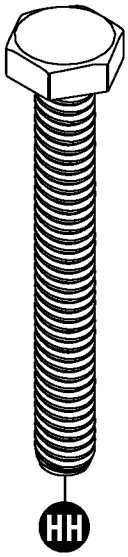
0480302 – Hardware bag

.625" Pan head screw
x70

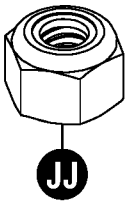
0480303 – Hardware bag

.625" Truss head screw
x77

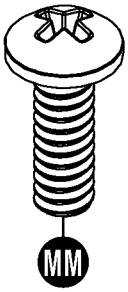
0480304 – Hardware bag



.25" x 2" Hex bolt
x3

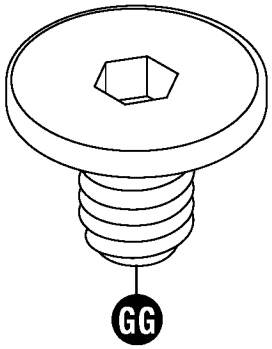


.25" Locking nut
x10

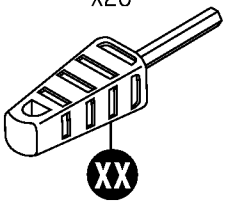


.25" x .75" Philips
pan head screw
x7

0480305 – Hardware bag

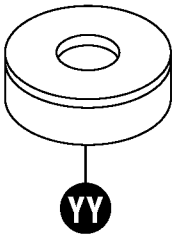


Easy bolt 7/8"
x28



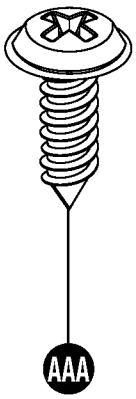
*Easy bolt easy driver

0480322 – Hardware bag



Rubber washer
x11

.375" Washer
head screw
x4

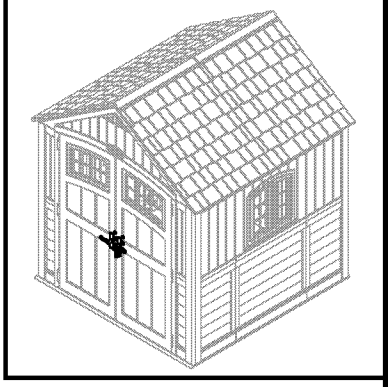


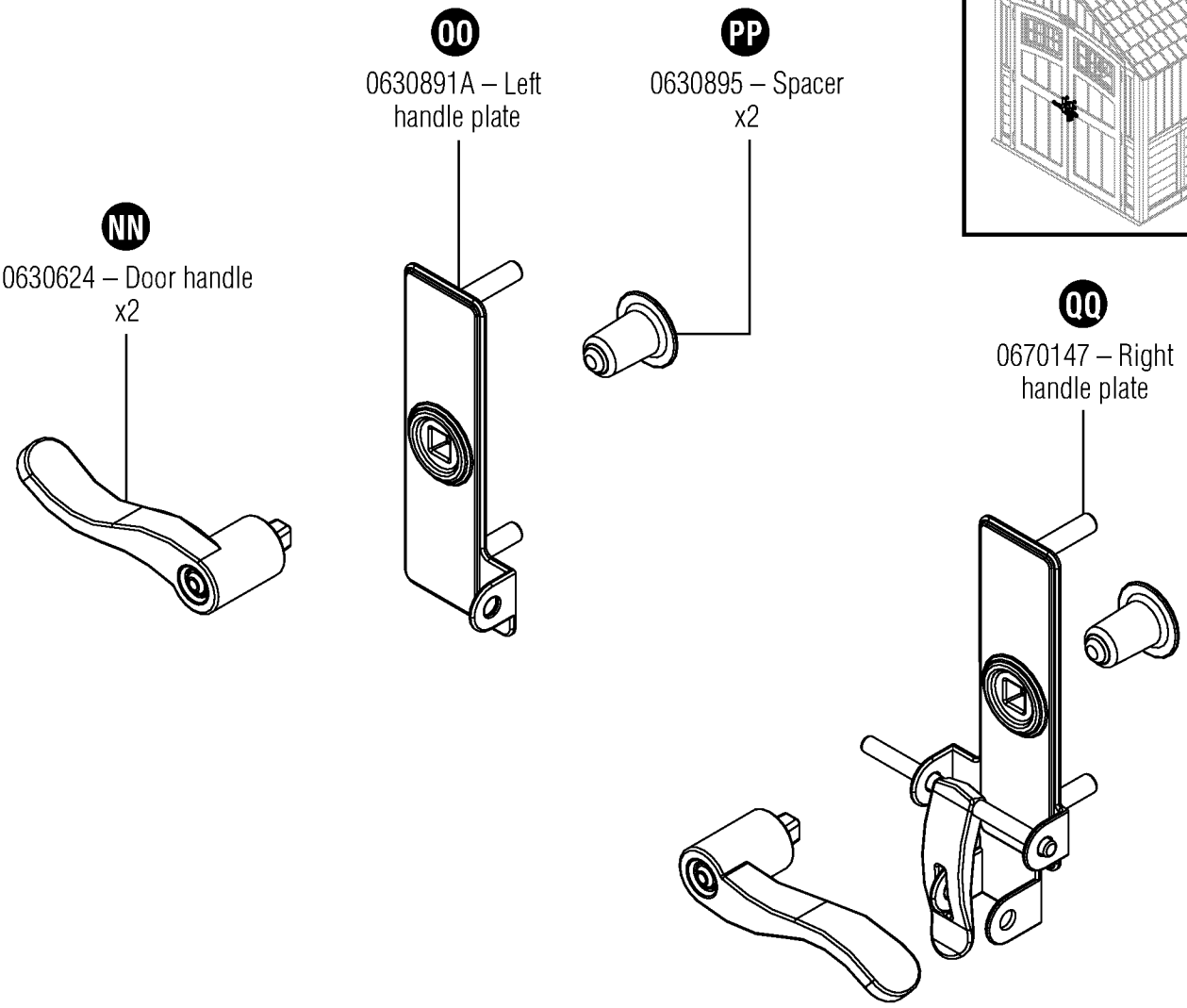
.75" Sealing screw
x6

Hardware shown at actual size (*Unless otherwise noted.) Extra hardware provided. Not all are used.

Door Handle Kit - BMS7790

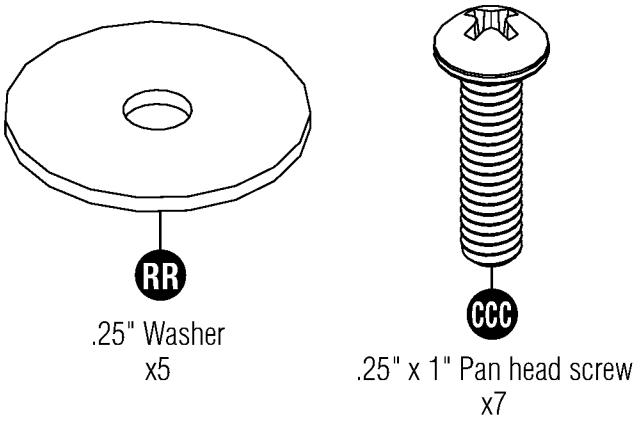
0440647A – Door Handle Kit





Hardware

0480306 – Hardware bag



Hardware shown at actual size (*Unless otherwise noted.) Extra hardware provided. Not all are used.

Site Preparation and Platform Construction

Materials **NOT** supplied with BMS7790 Shed Kit

Note: *Site preparation is required for this shed. Placing the shed on a constructed foundation is highly recommended. Without a constructed foundation, settling will probably occur, causing distortion and damage to the shed. Suncast is not responsible for replacing parts damaged or property lost due to incorrect assembly.*

Note: *Complete the site preparation and foundation construction before unpacking parts and beginning assembly.*

To prepare your shed site, follow the below steps:

1) Consult your local authorities for building codes and covenants before beginning foundation or erecting shed.

2) Before any digging, check with local utilities to determine location of buried cables, pipes, etc.

3) Decide which type of foundation you want:
   - Concrete slab, 4" thick

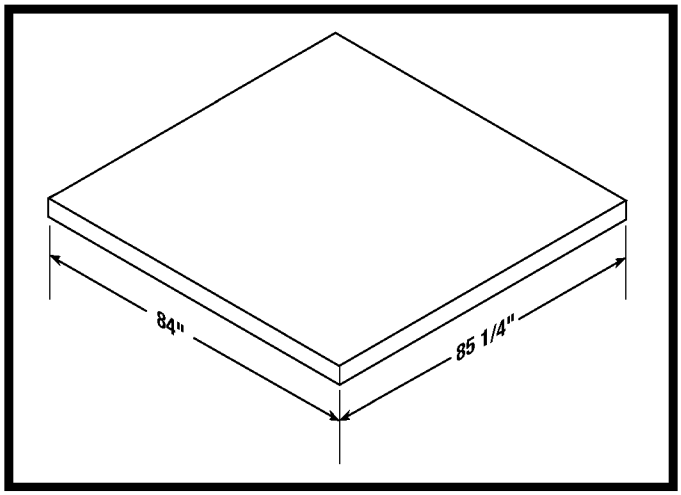
OR

   - Wood platform
     Use exterior grade wood. The wood platform should be set on pier blocks or footing. Consult your local retailer for help to determine the best anchoring method for your particular installation. The provided plans are sized for the minimum number of cuts to lumber and plywood.

4) Prepare the building site:
   - The ground should slope away from the foundation area to provide drainage.
   - The foundation surface must be flat and level.
   - A vapor barrier should be provided to prevent excessive condensation in the shed.
   - Follow local building codes for a proper vapor barrier.

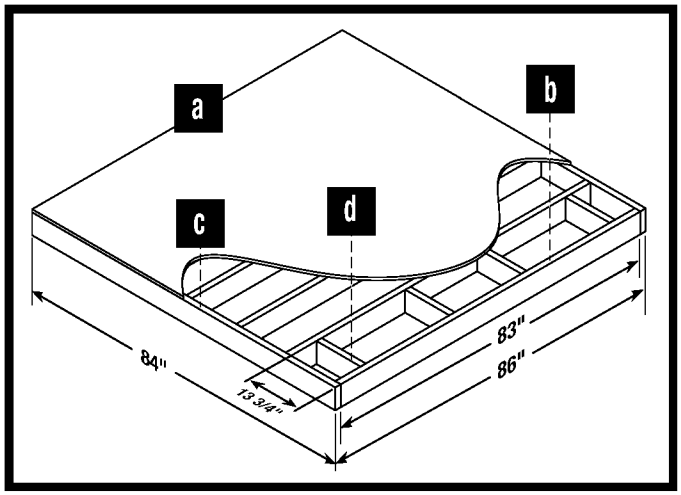
5) Anchoring the shed to the foundation:
   - Consult your local retailer for help to determine the best anchoring method for your particular installation.
   - To secure the shed to a concrete slab, use masonry fasteners available at your local hardware retailer.
   - To secure the shed to a wood platform, use 1/4" x 2" long lag screws with washers.

Anchoring floor panel to concrete slab



- Secure shed to concrete slab using masonry fasteners.
- Dimensions allow for shed to fit within the nearest 1" on each side.

Anchoring floor panel to wood platform

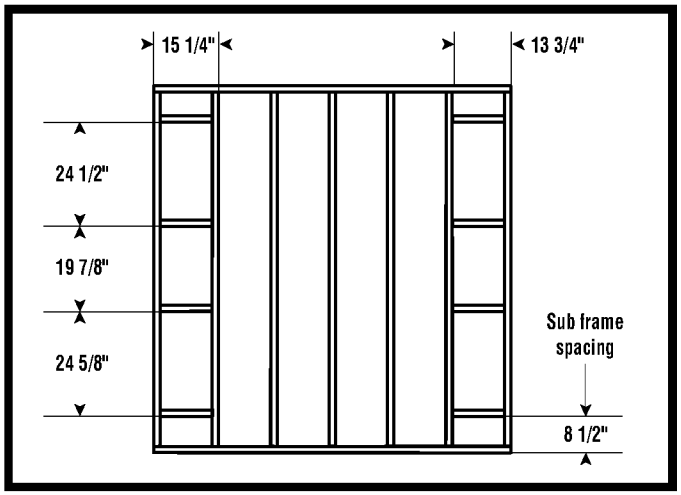


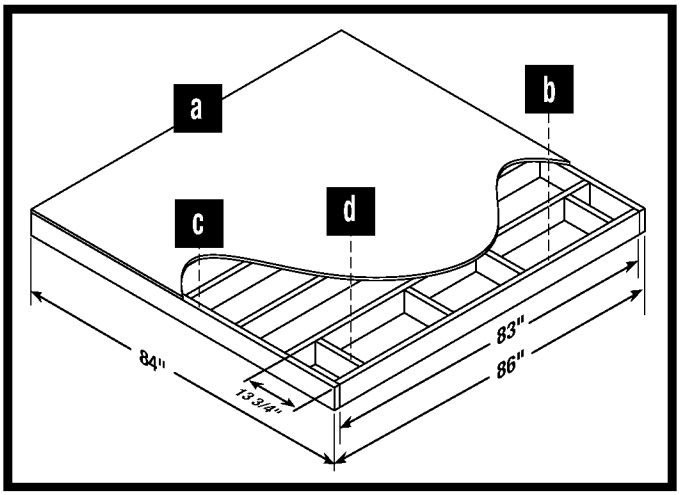
- Secure shed to wood platform using 1/4" x 2" lag screws.

Site Preparation and Platform Construction (continued)

Materials **NOT** supplied with BMS7790 Shed Kit

Wood platform critical spacing



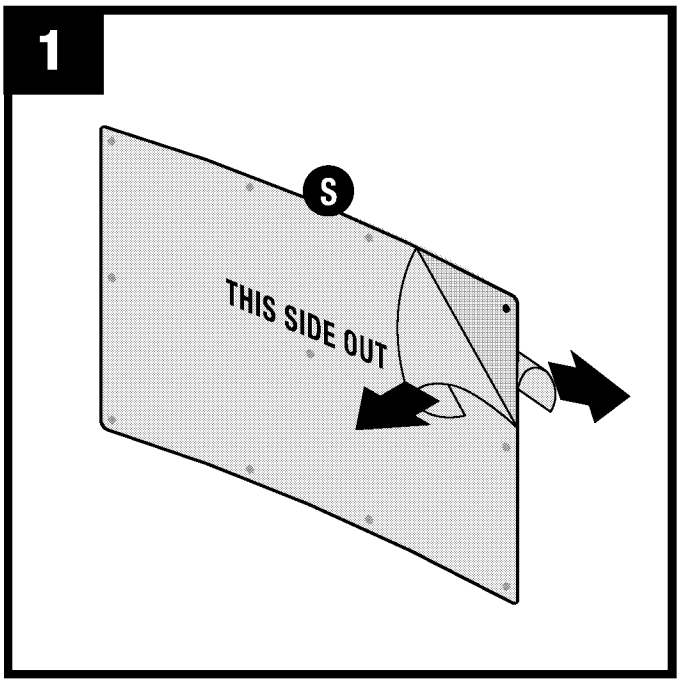


- Check all critical spacing measurements.

Wood platform materials list

Item	Qty	Size
a	1	86" x 84" x 3/4"
b	7	2" x 6" x 83"
c	2	2" x 6" x 84"
d	8	2" x 6" x 12 1/4"

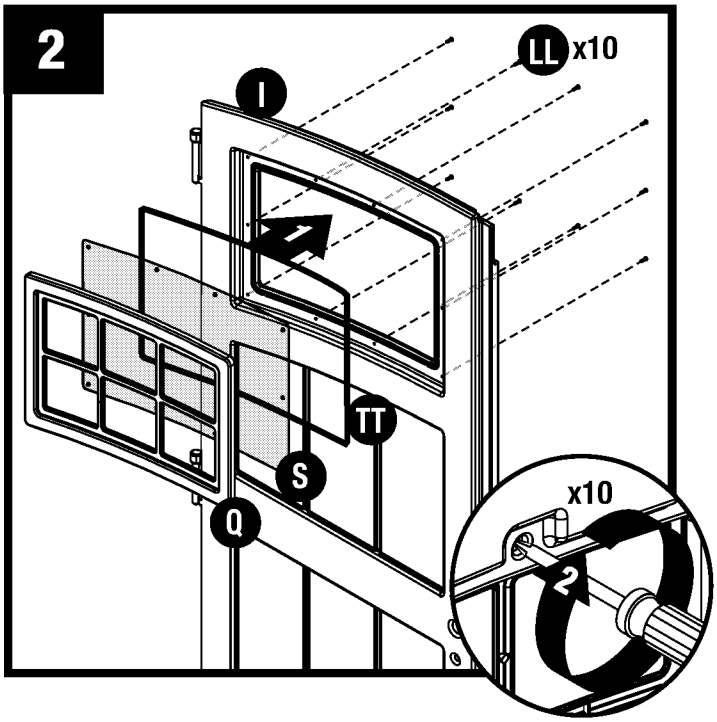
Door Pre-Assembly



Parts/hardware needed for door pre-assembly are shown on pages 5 and 8.

Peel film from both sides of window (S).

Note: *One side of film will say "THIS SIDE OUT." Make sure this side faces out when installing window.*

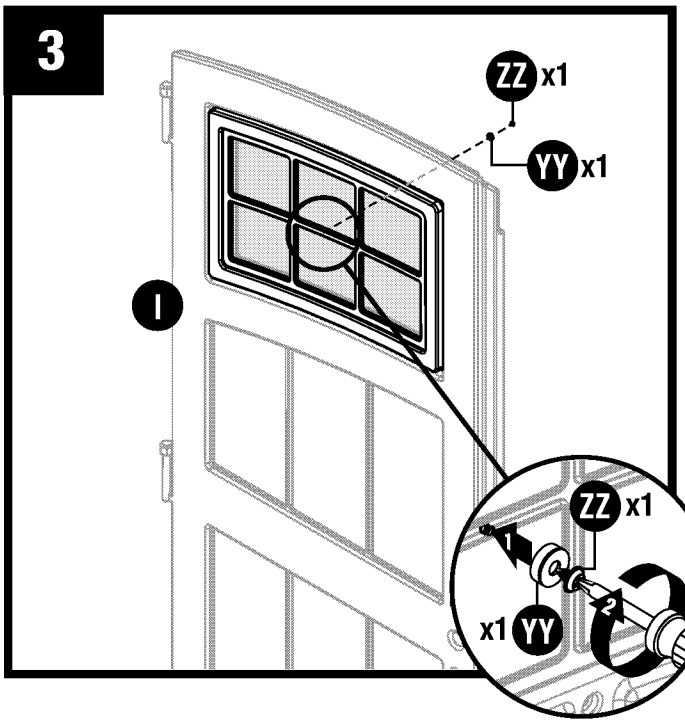


Stand left door (I) vertically. In this order, layer into door channel the window gasket (TT), door window (S), and door window frame (Q). Through the back of door, secure layers with ten screws (LL). Start with four corner screws and finish with remaining screws. **DO NOT** over tighten screws.

Note: *The cut portion of window gasket (TT)* ***MUST*** *be assembled on bottom of door channel.*

Note: *At least two people are needed during assembly.*

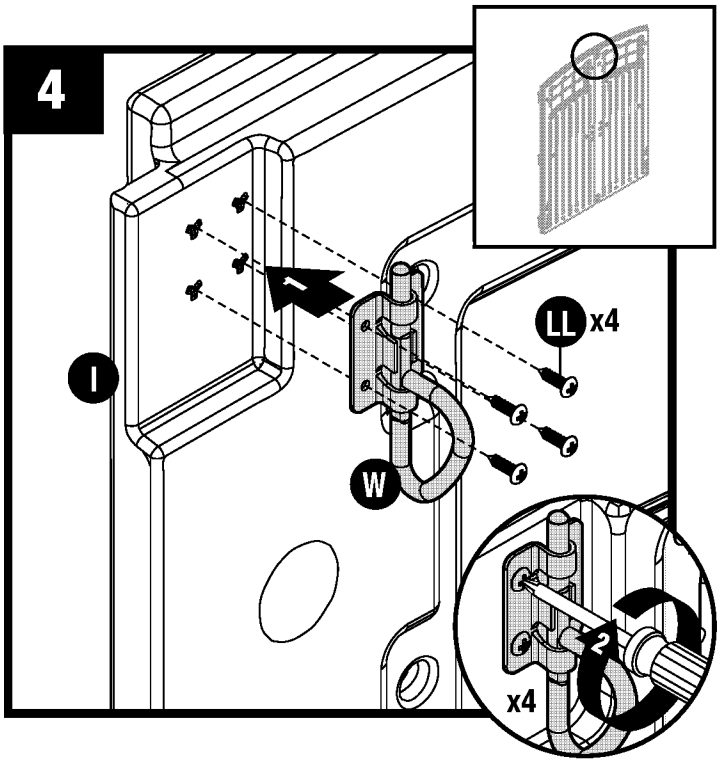
Door Pre-Assembly (continued)



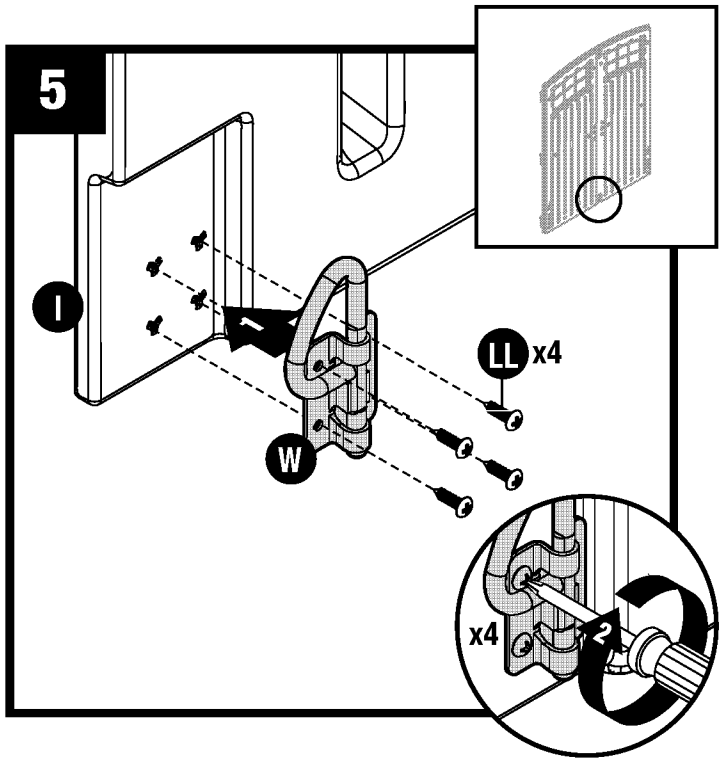
Secure center of window with one washer head screw (ZZ) and sealing washer (YY). **DO NOT** over tighten screws.

Repeat on Steps 1-3 for right door (H).

Note: *At least two people are needed during assembly.*

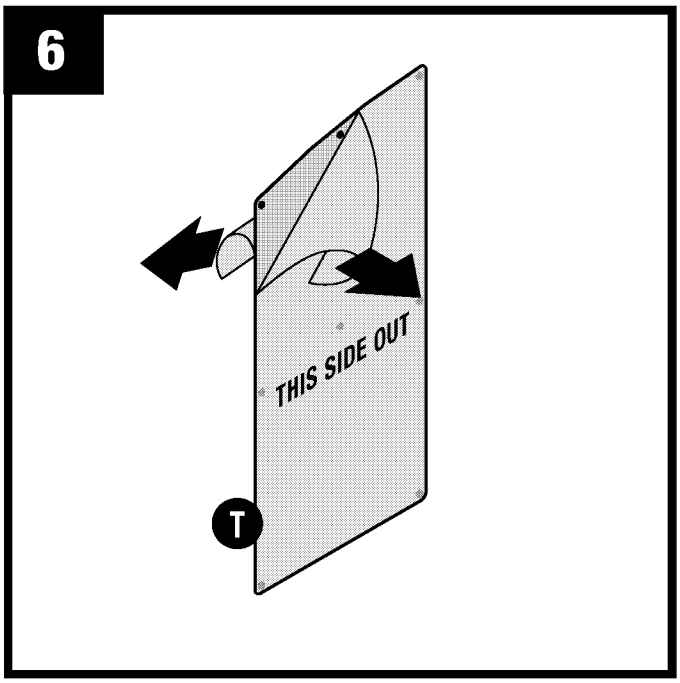


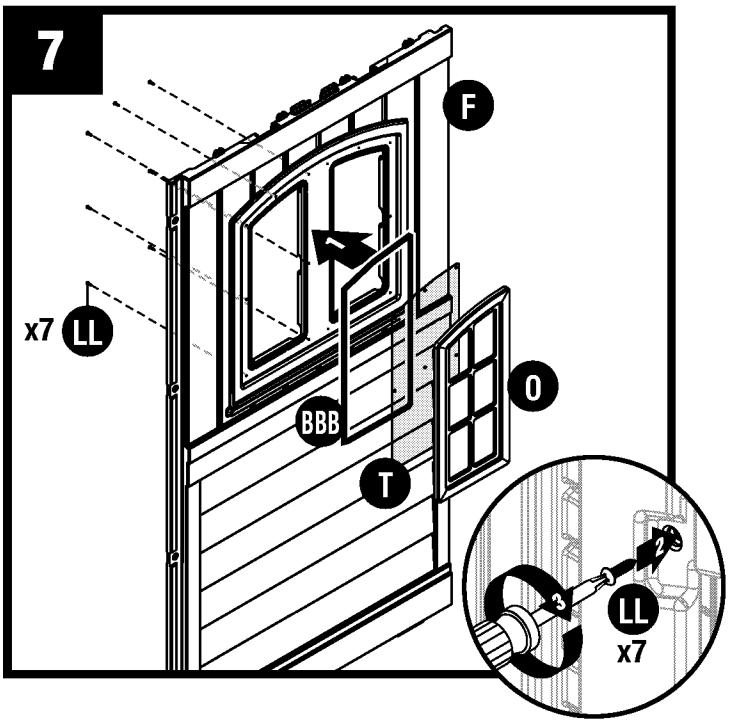
At top interior side of left door (I), attach D-ring slide bolt (W) with four screws (LL) through provided holes.



At bottom interior side of left door (I), attach D-ring slide bolt (W) with four screws (LL) through provided holes.

Side Panel Pre-Assembly





Parts/hardware needed for side panel pre-assembly are shown on pages 4 and 8.

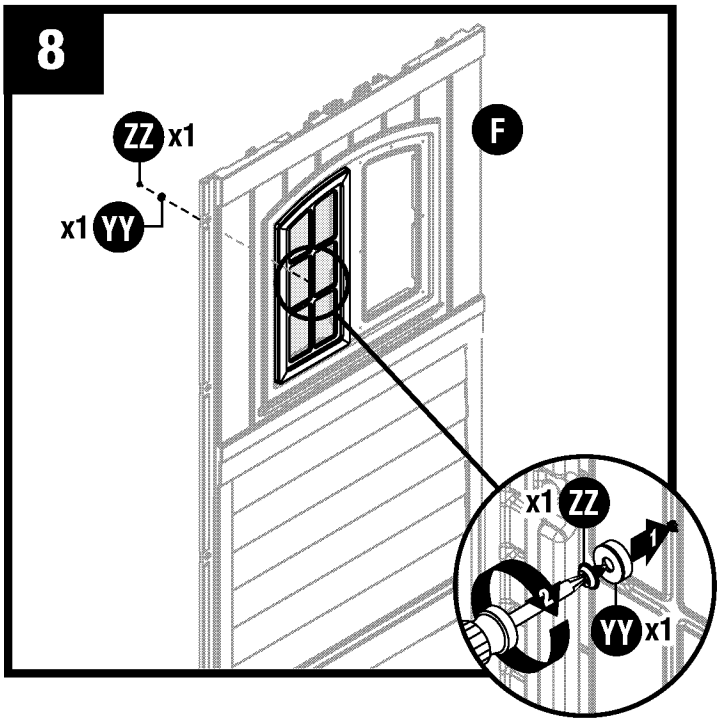
Peel film from both sides of left side window (T).

Note: *One side of film will say "THIS SIDE OUT." Make sure this side faces out when installing window.*

Stand right side window panel (F) vertically. In this order, layer into window channel the window gasket (BBB), side window (T), and left side window frame (O). Through the back of the side panel, secure layers with seven screws (LL). Start with four corner screws and finish with remaining screws.

Note: *The cut portion of window gasket (BBB)* ***MUST*** *be assembled on bottom of door channel.*

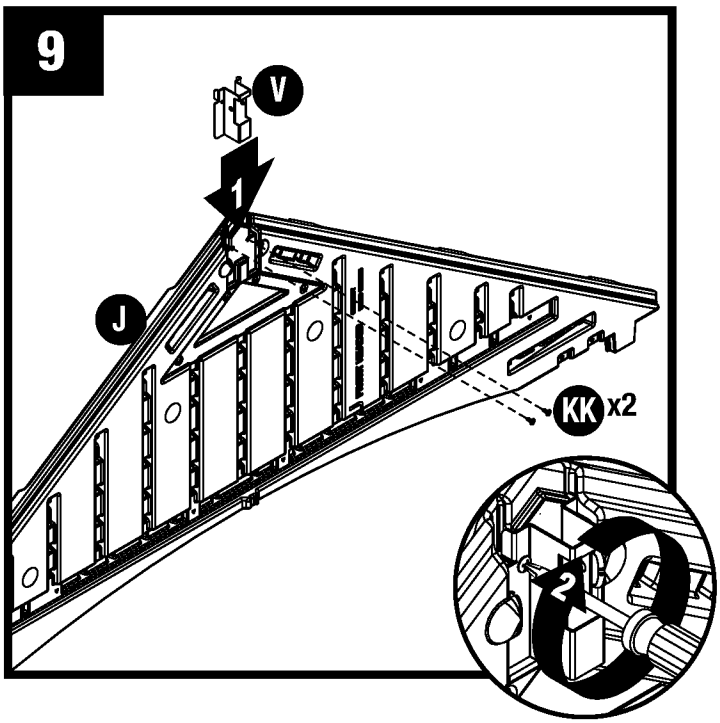
Note: *At least two people are needed during assembly.*



Secure center of window with one washer head screw (ZZ) and sealing washer (YY). **DO NOT** over tighten screws.

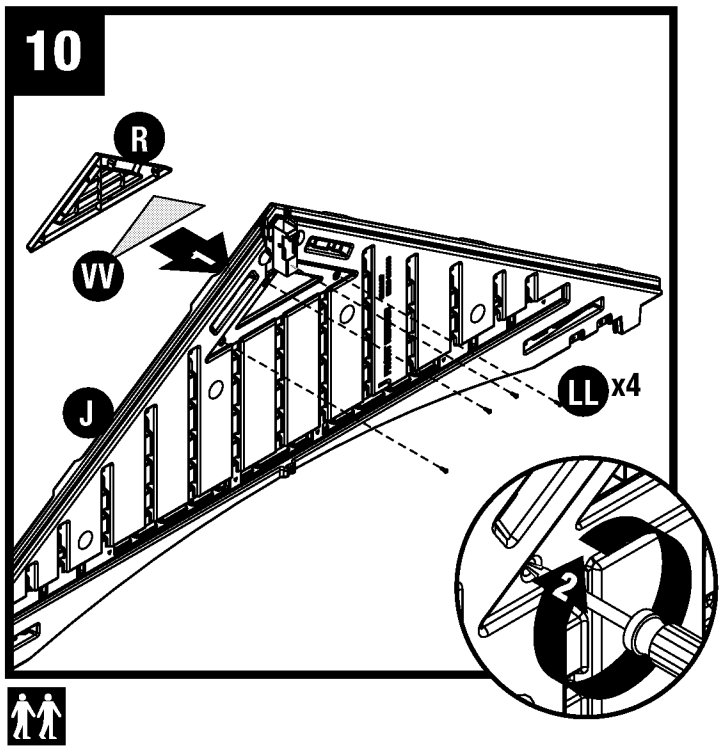
Repeat Steps 6-8 for right side window frame (N).

Header Pre-Assembly



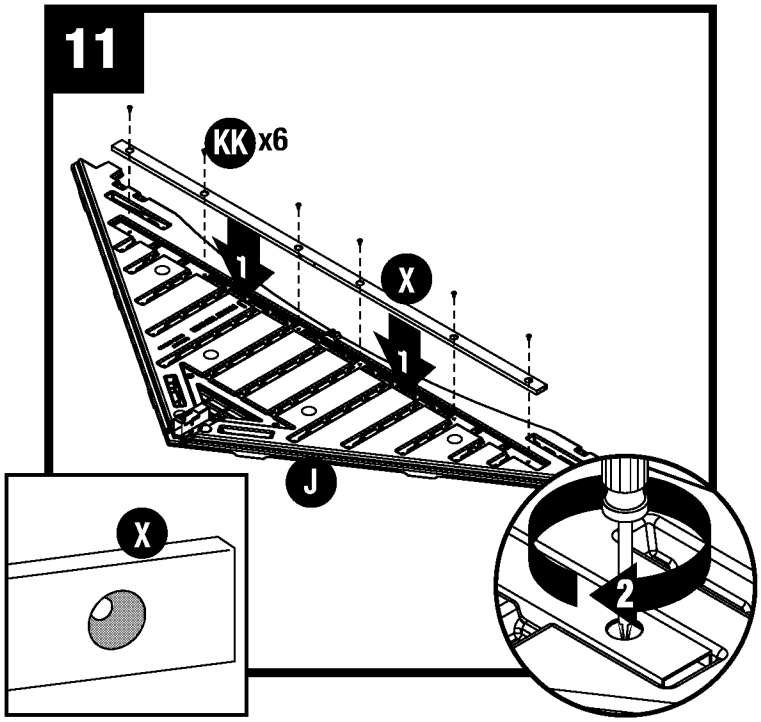
Parts/hardware needed for header pre-assembly are shown on pages 6 and 8.

Slide roof ridge beam bracket (V) under tabs on inside peak of front header (J) and secure with two screws (KK). **DO NOT** over tighten screws.



Place fiberglass vent screen (VV) and header vent (R) into front opening in front header (J). Secure through back of header with four screws (LL). **DO NOT** over tighten screws.

Repeat for rear header (K).

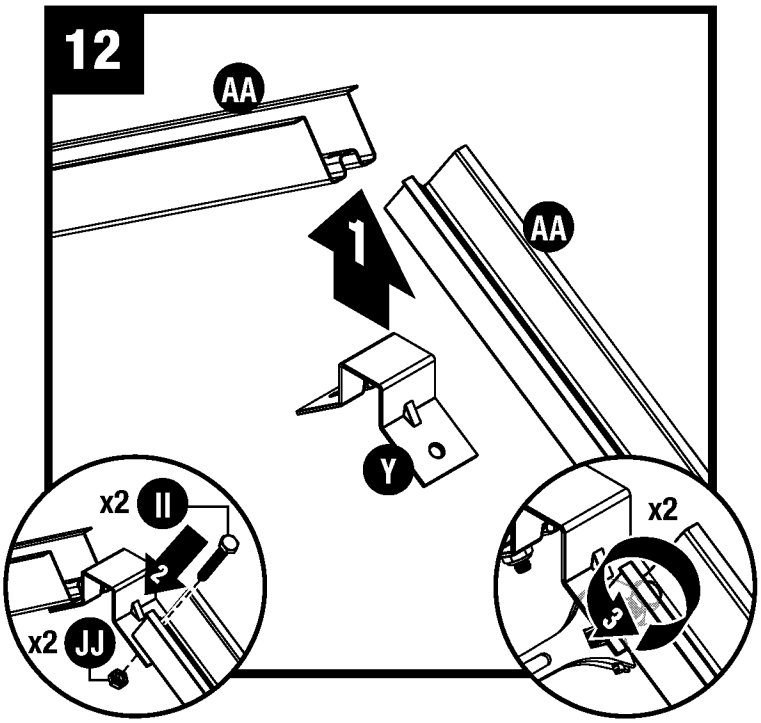


Lay header (J) on ground with lettering side facing up. Place one header beam (X) into pocket on inside of front header (J). Attach with six screws (KK). **DO NOT** over tighten screws.

Repeat for rear header (K).

Note: *Header beam (X) has large holes on one side and small holes on other side. The small holes must face header.*

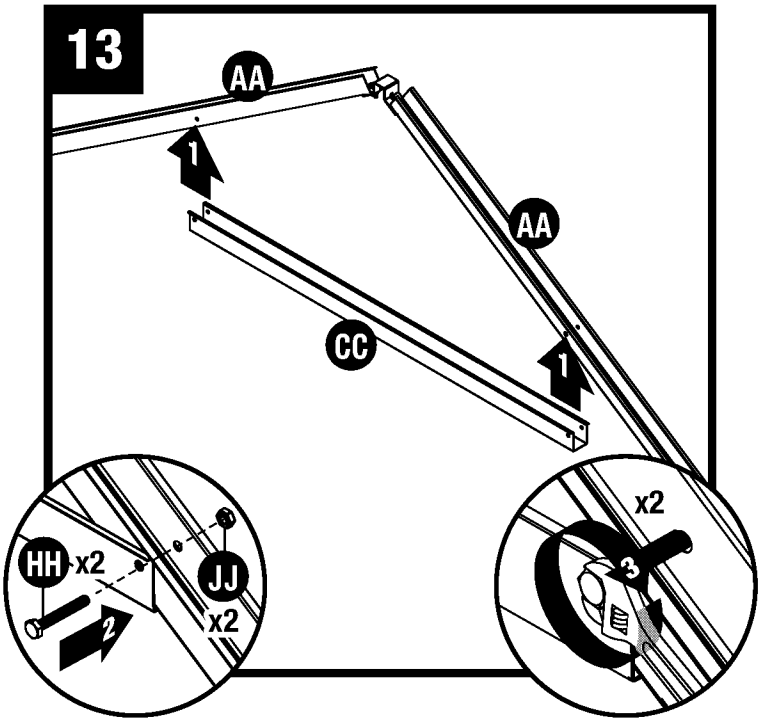
Truss Pre-Assembly



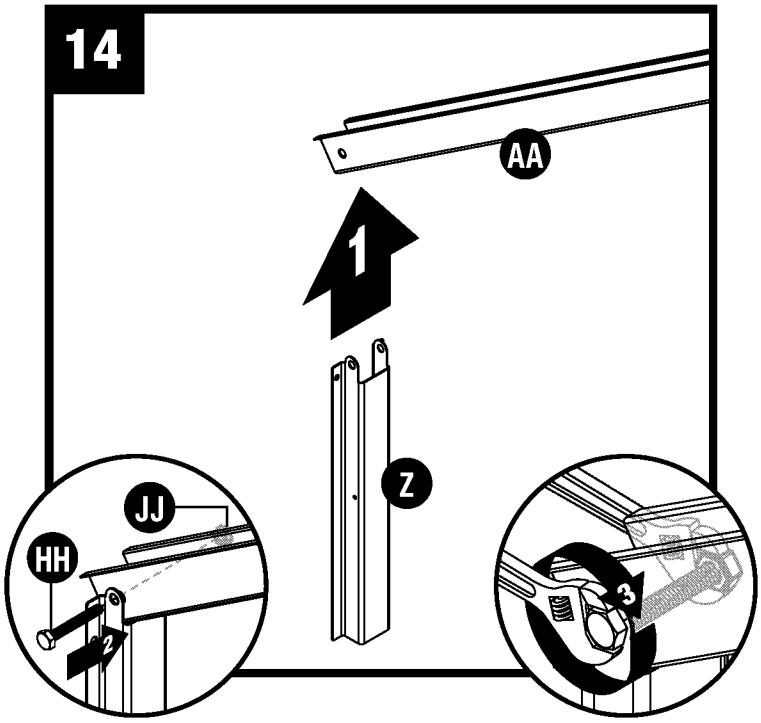
Parts/hardware needed for truss pre-assembly are shown on pages 7-8.

Attach truss bracket (Y) to end of one truss leg (AA) with 1" hex head cap screw (II) and nut (JJ).

Repeat for second truss leg (AA).



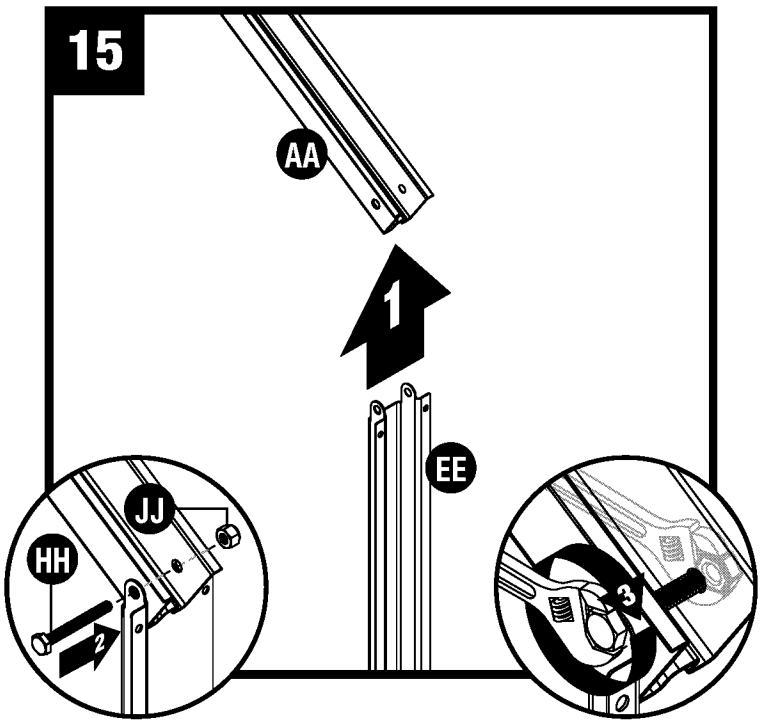
Attach truss cross beam (CC) to two truss legs (AA) using two hex head cap screws (HH) and two nuts (JJ). Stand truss and check cross beam is level.



Place side adaptor bracket (Z) at end of left truss leg (AA). Secure adaptor bracket with one 2" hex head cap screw (HH) and one nut (JJ).

***Note: DO NOT** over tighten side adaptor bracket (Z) onto end of truss legs (AA). This makes roof assembly difficult.*

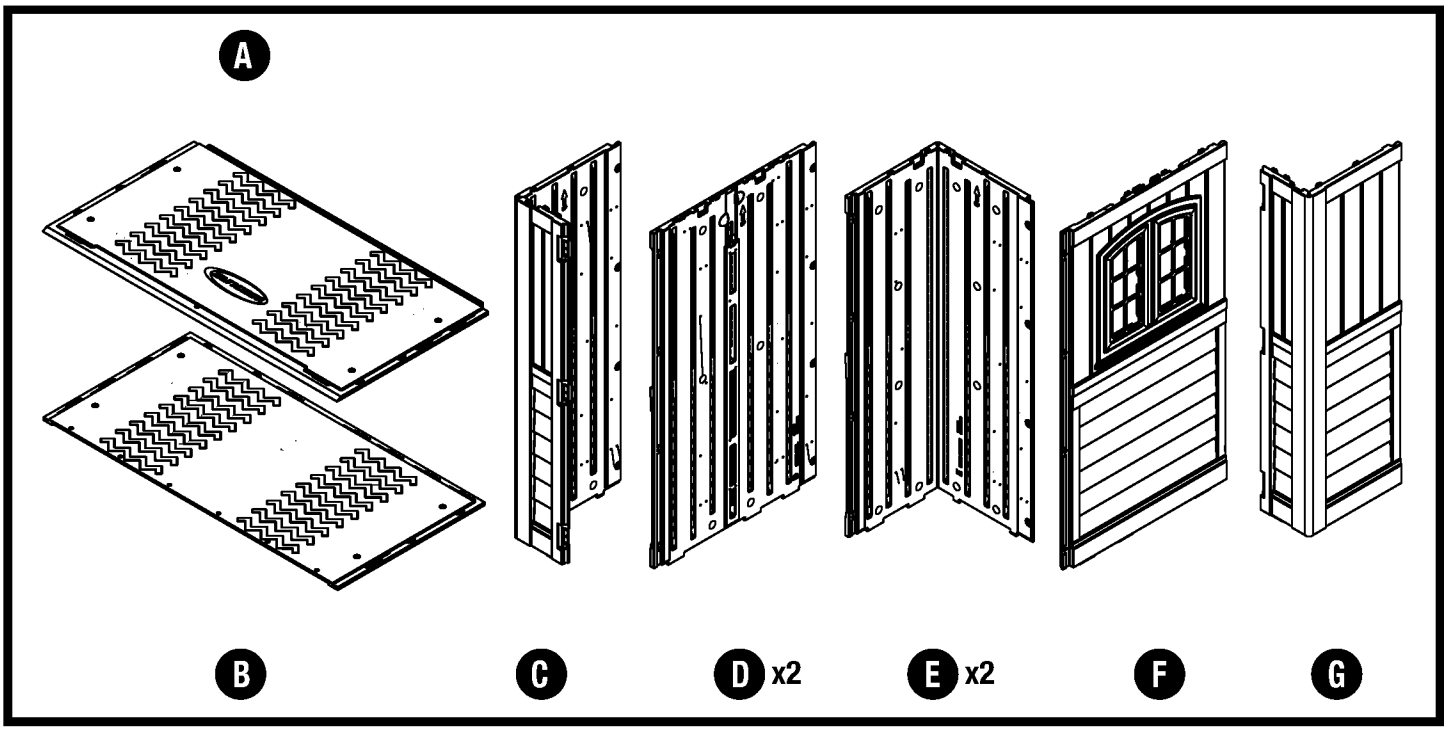
Truss Pre-Assembly (continued)



Place window truss tie down (EE) at end of right truss leg (AA). Secure truss tie down with one 2" hex head cap screw (HH) and one nut (JJ).

***Note: DO NOT** over tighten truss tie down (EE) onto end of truss legs (AA). This makes roof assembly difficult.*

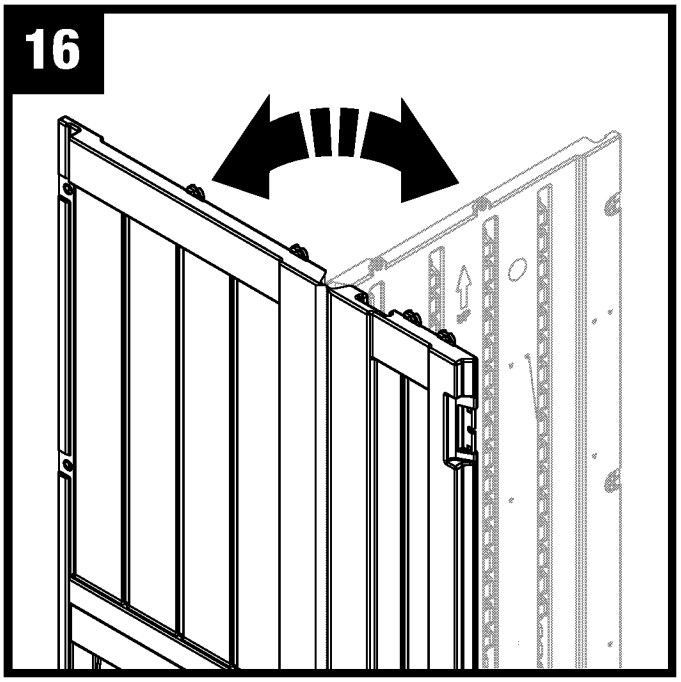
Shed Assembly/Walls



Note: *At least two people are needed during assembly.*

Note: *Need to use a rubber mallet.*

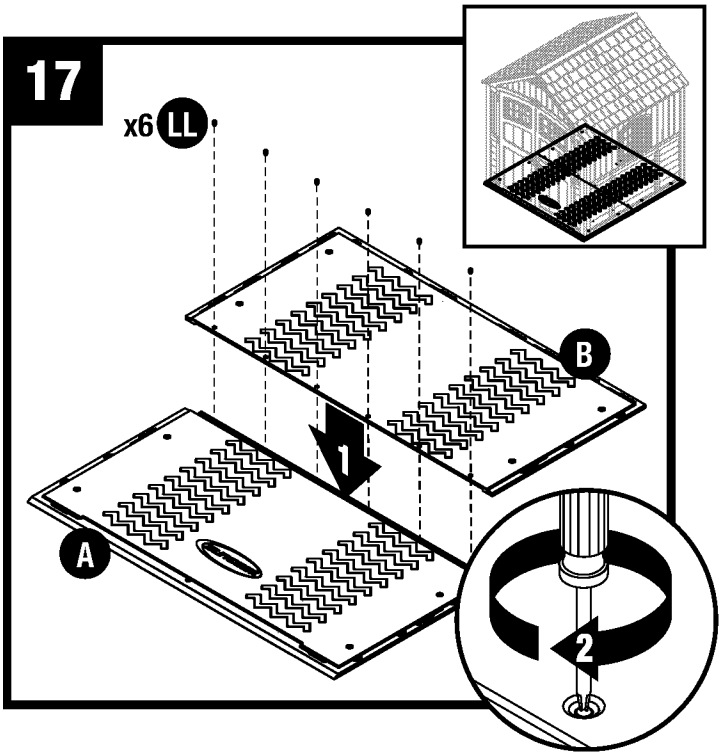
16



Critical: When installing corners, flex corner hinges back and forth several times. This will help provide a square corner and ensure proper fit of remaining panels.

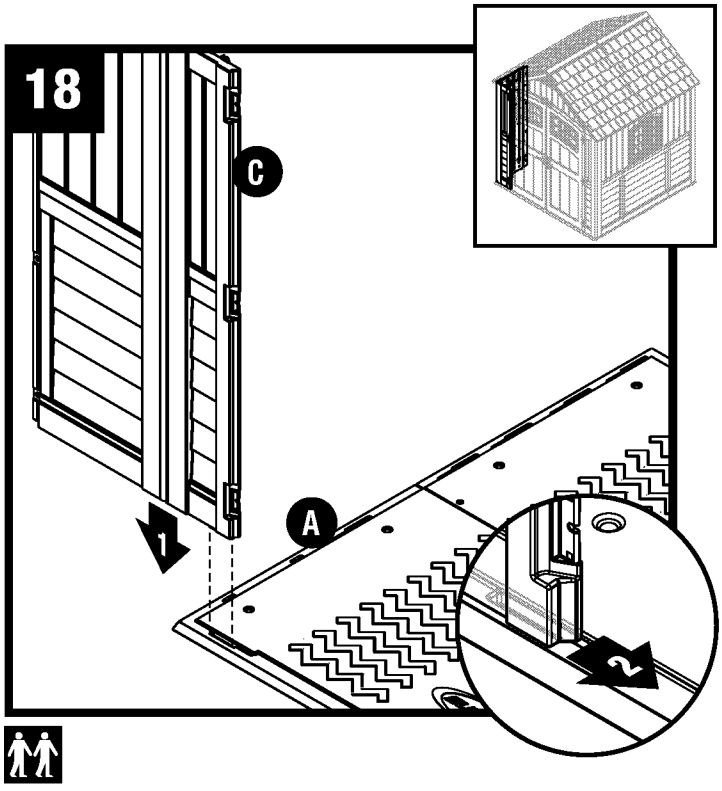
Important: DO NOT flex in reverse position, as this can crack the panel.

Shed Assembly/Walls (continued)



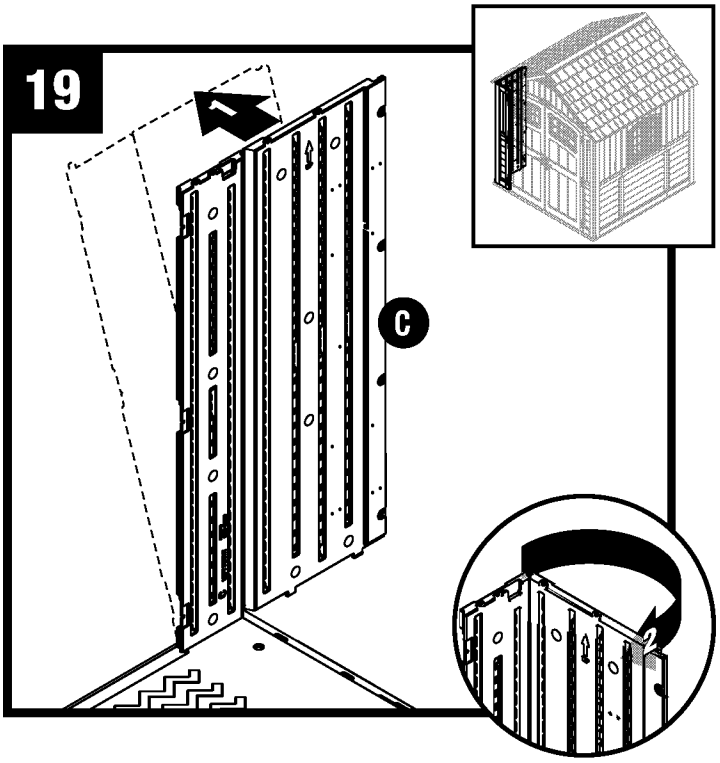
Push front floor (A) and rear floor (B) panels together and secure with six screws (LL).

Note: *Refer to pages 11 and 12 to secure floors to foundation.*

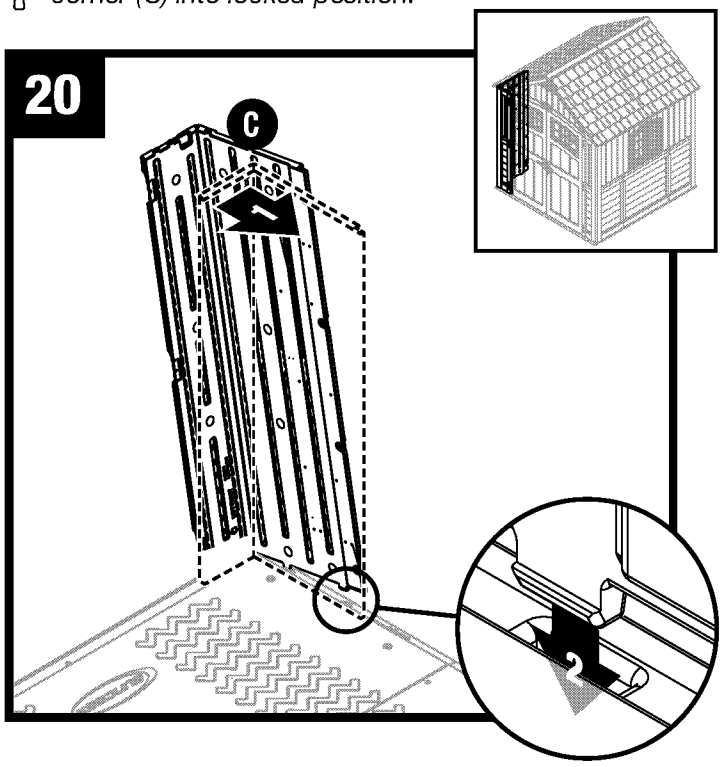


Align tab on bottom right side of left front (C) with slot on front floor (A). Lower panel into slot and lock in place by sliding panel toward door opening.

Note: *Use a rubber mallet to "push" left front corner (C) into locked position.*



Tip left front (C) outward slightly and bend corner hinge.



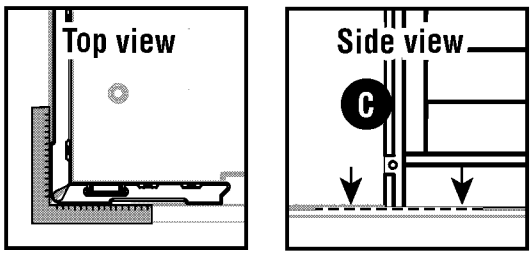
Tip left front (C) back to vertical position and align lower tabs on right side with slots in floor.

Note: *You will hear a snap when tab is fully engaged.*

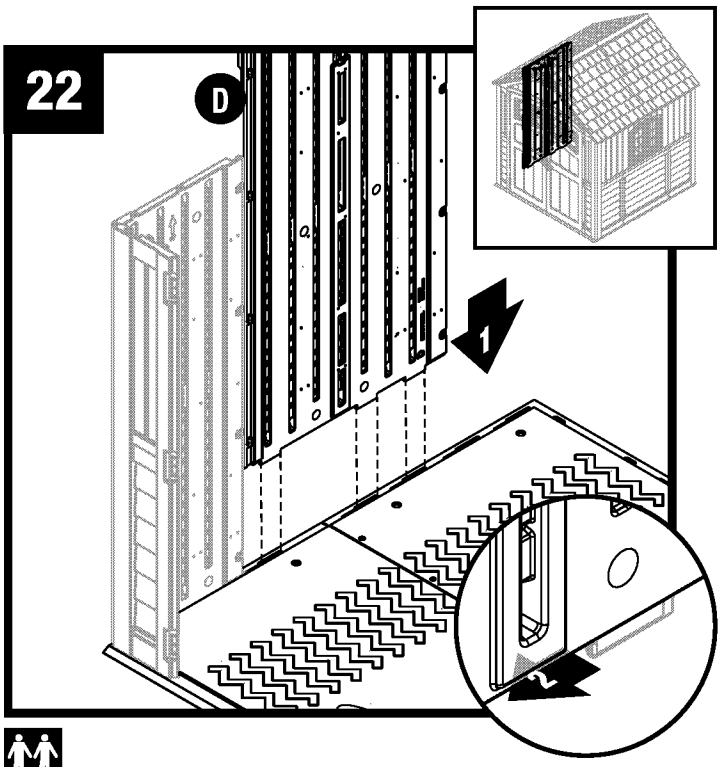
21

Before proceeding, make sure corner is square (top view) where it meets the floor and that panel is flush (side view) with floor.

If not, repeat Steps 18–20 until square and flush.



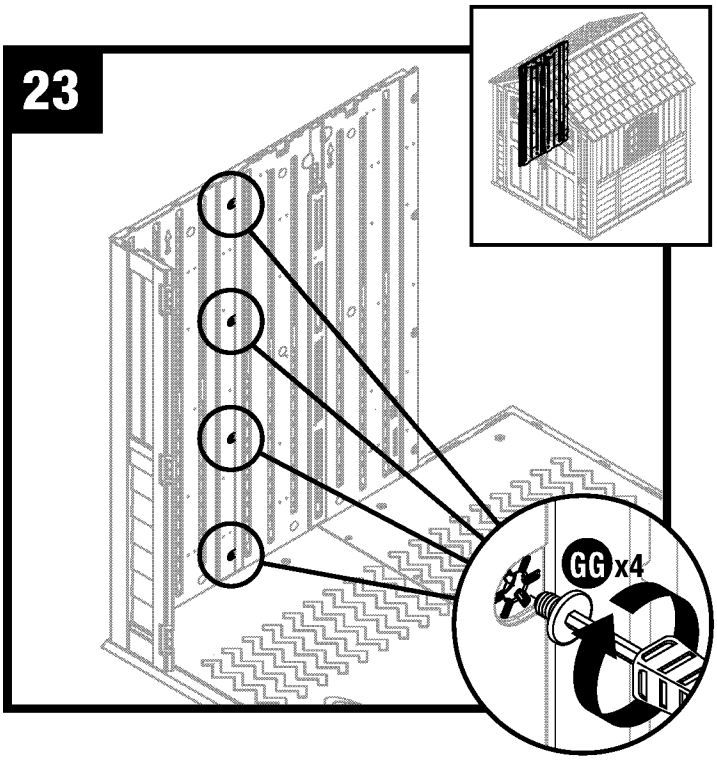
22



Align tabs on bottom of side panel (D) with slots along front and rear floors. Lower panel into slots and lock in place by sliding panel toward front corner.

Note: *Use a rubber mallet to "push" side panel (D) into locked position.*

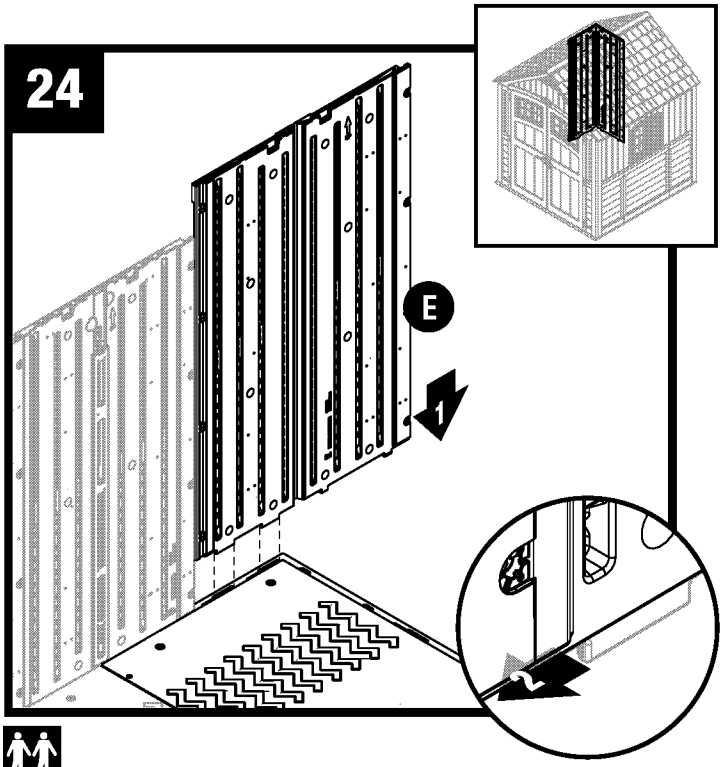
23



Secure side panel with four easy bolts (GG), working from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

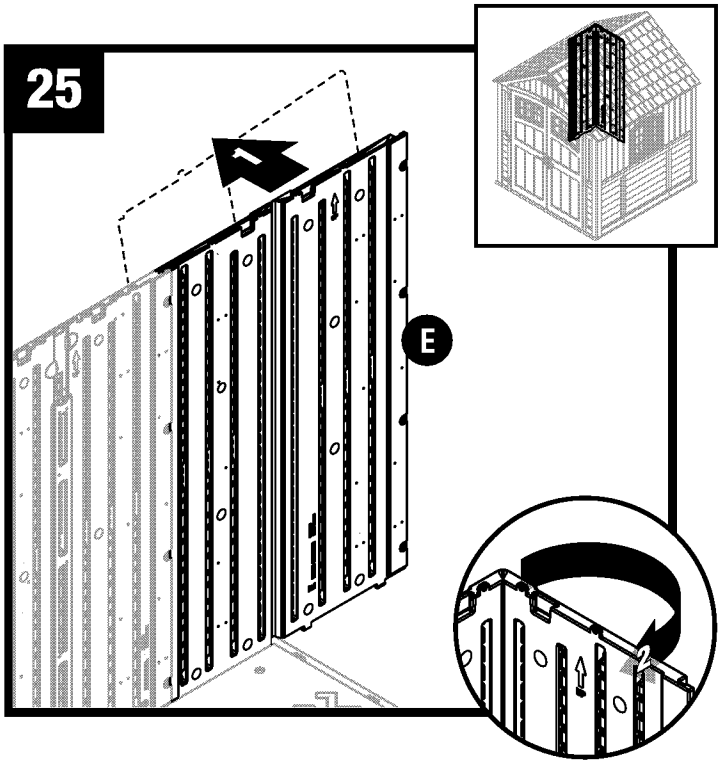
Note: *You may hear a click when easy bolt has been tightened completely.*

Shed Assembly/Walls (continued)

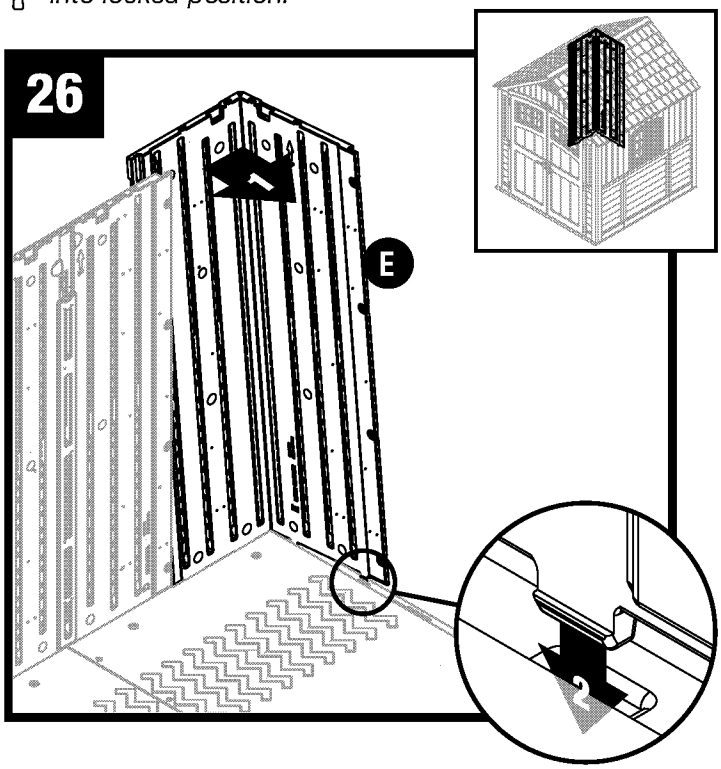


Align tab on bottom left side of back corner (E) with slot on rear floor (B). Lower panel into slot and lock in place by sliding panel toward front corner.

Note: *Use a rubber mallet to "push" back corner (E) into locked position.*

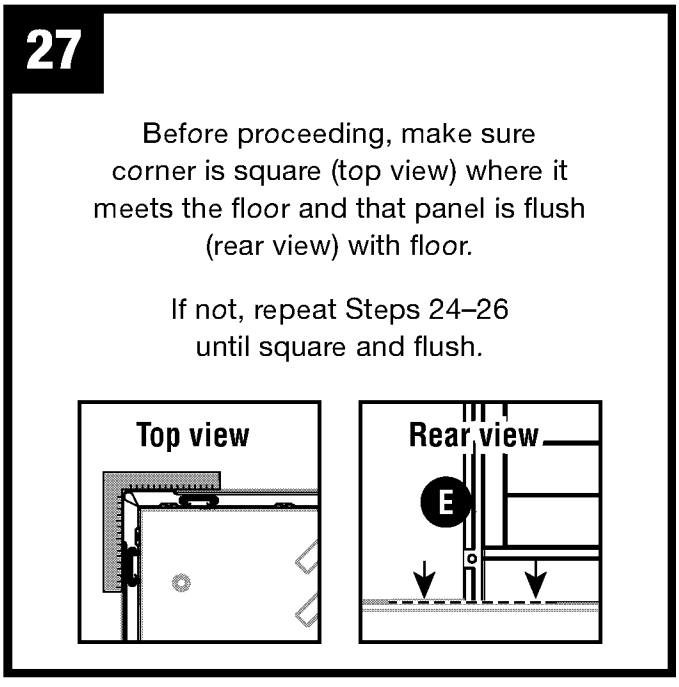


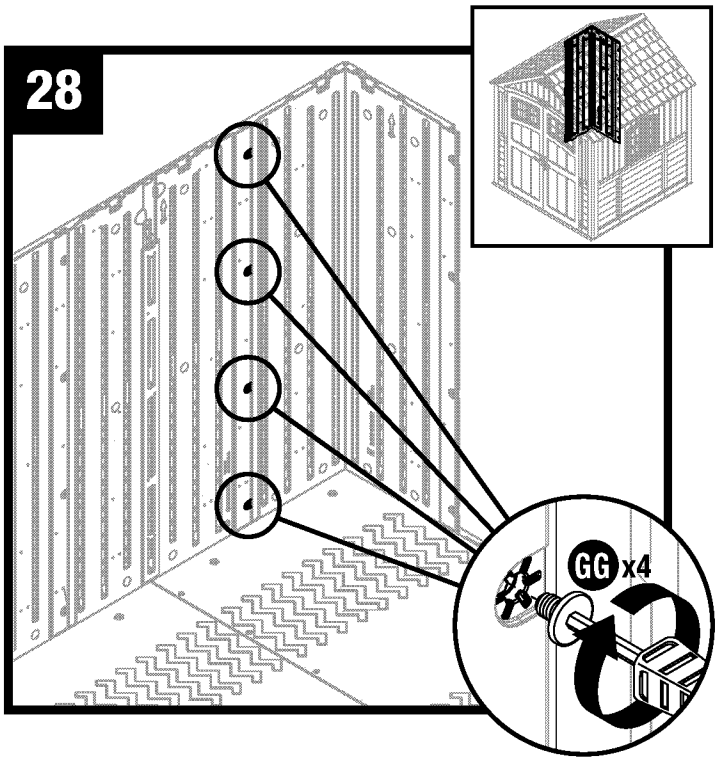
Tip back corner (E) outward slightly and bend corner hinge.



Tip back corner (E) back to vertical position and align lower tabs on left side with slots in floor.

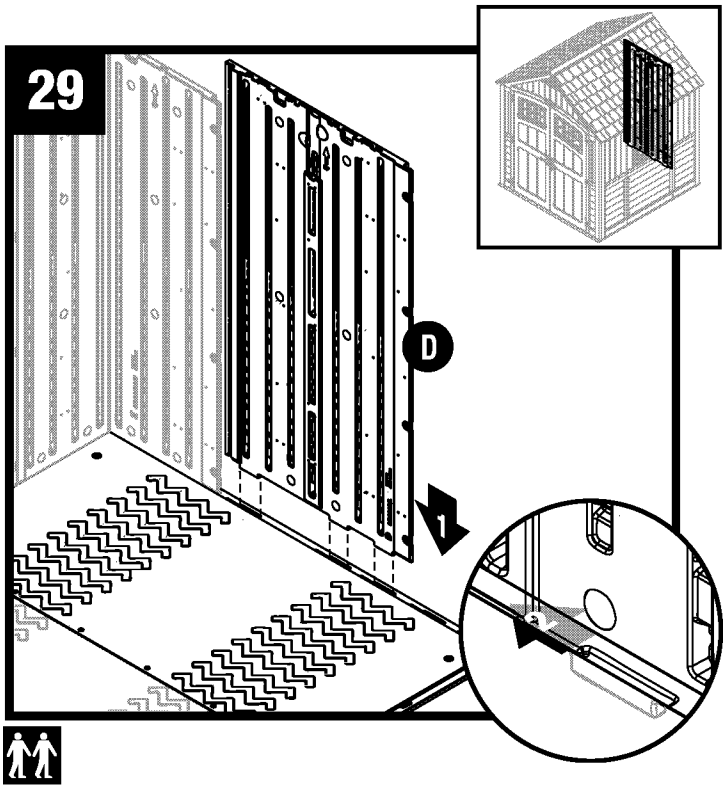
Note: *You will hear a snap when tab is fully engaged.*





Secure back corner with four easy bolts (GG). Work from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

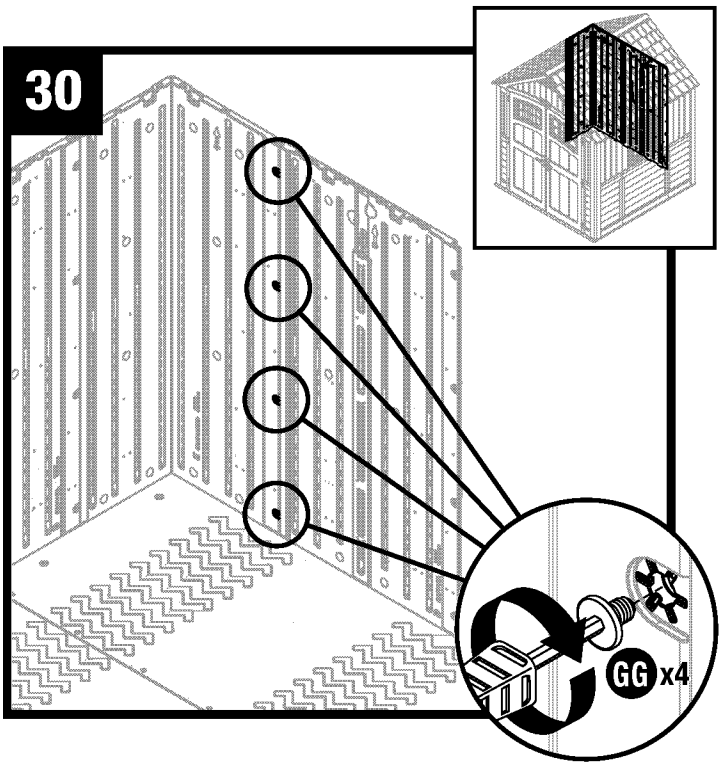
Note: *You may hear a click when easy bolt has been tightened completely.*



Align tabs on bottom of side panel (D) with slots along rear floor. Lower panel into slots and lock in place by sliding panel toward left corner.

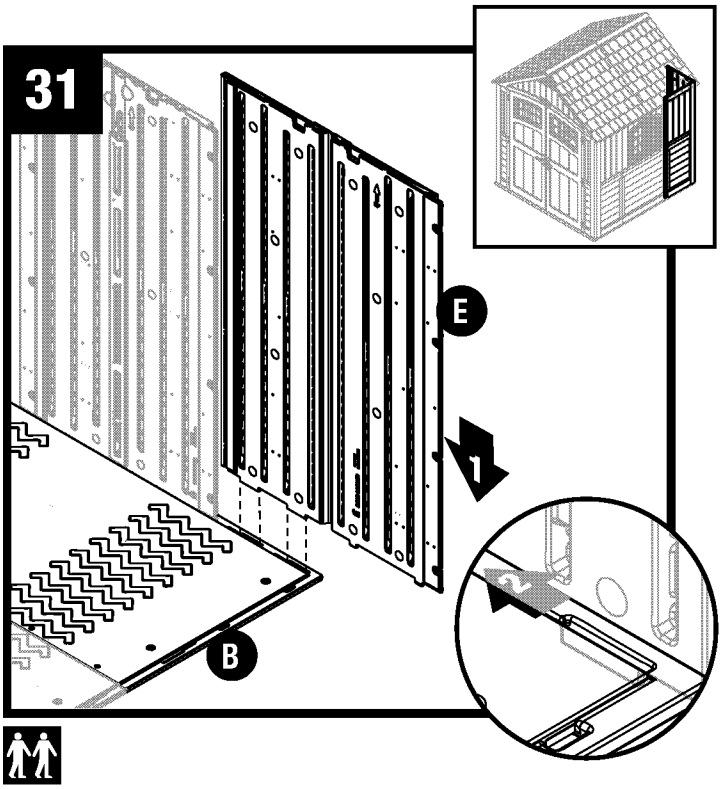
Note: *Use a rubber mallet to "push" side panel (D) into locked position.*

Shed Assembly/Walls (continued)



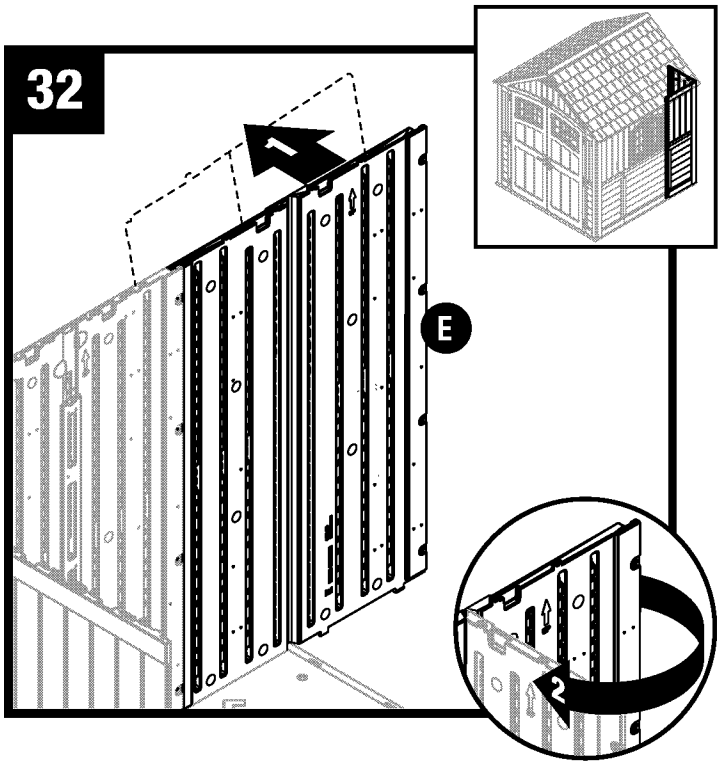
Secure side wall with four easy bolts (GG), working from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

Note: *You may hear a click when easy bolt has been tightened completely.*



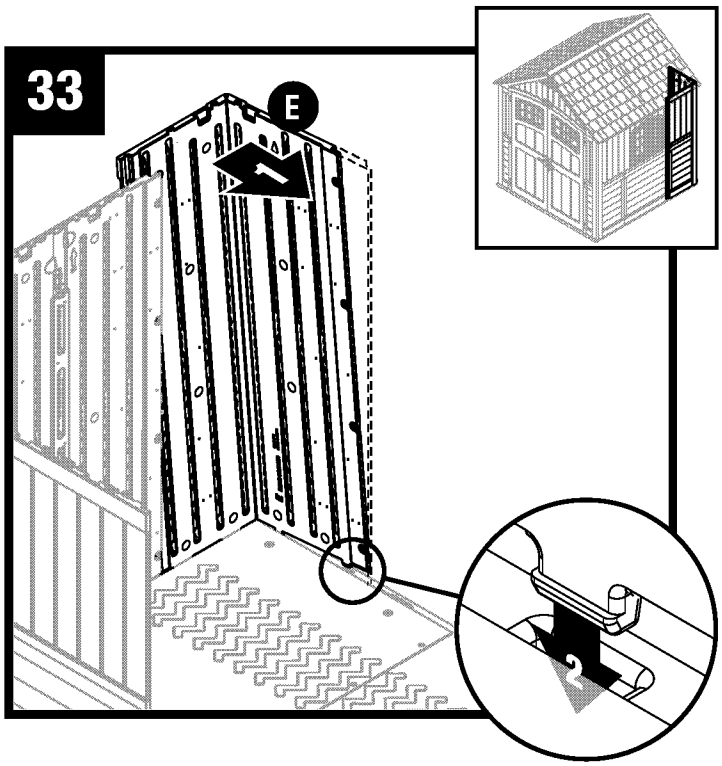
Align tab on bottom left side of back corner (E) with slot on rear floor (B). Lower panel into slot and lock in place by sliding panel toward left corner.

Note: *Use a rubber mallet to "push" back corner (E) into locked position.*



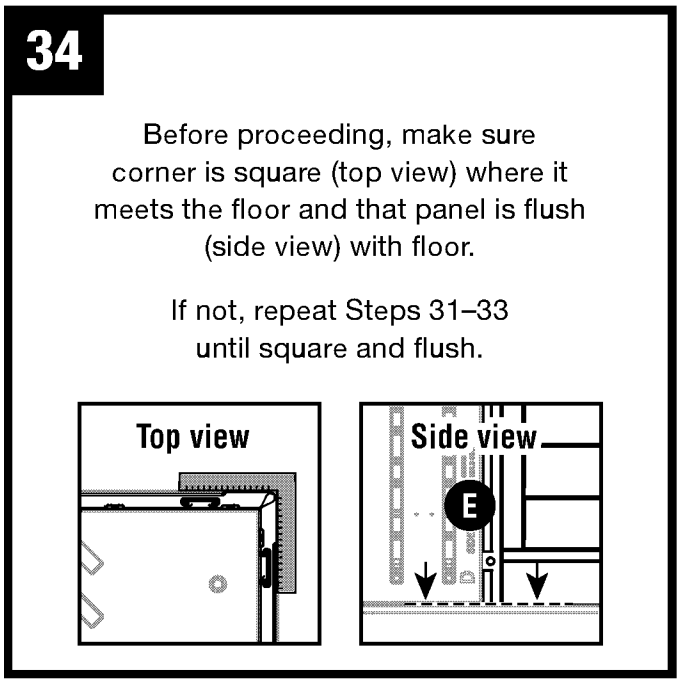
Tip back corner (E) outward slightly and bend corner hinge.

Shed Assembly/Walls (continued)



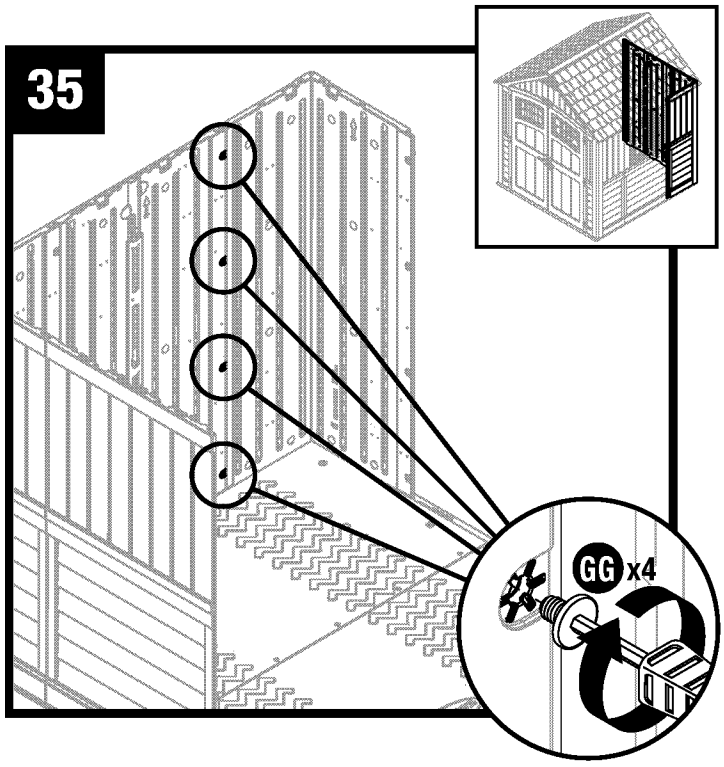
Tip back corner (E) back to vertical position and align lower tabs on left side with slots in floor.

Note: *You will hear a snap when tab is fully engaged.*



Before proceeding, make sure corner is square (top view) where it meets the floor and that panel is flush (side view) with floor.

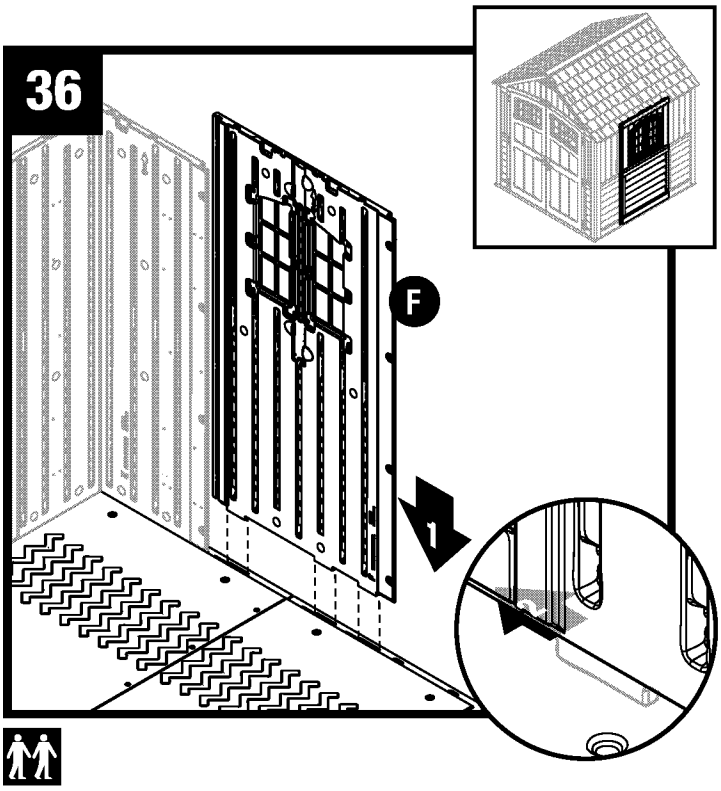
If not, repeat Steps 31–33 until square and flush.



Secure back corner with four easy bolts (GG). Work from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

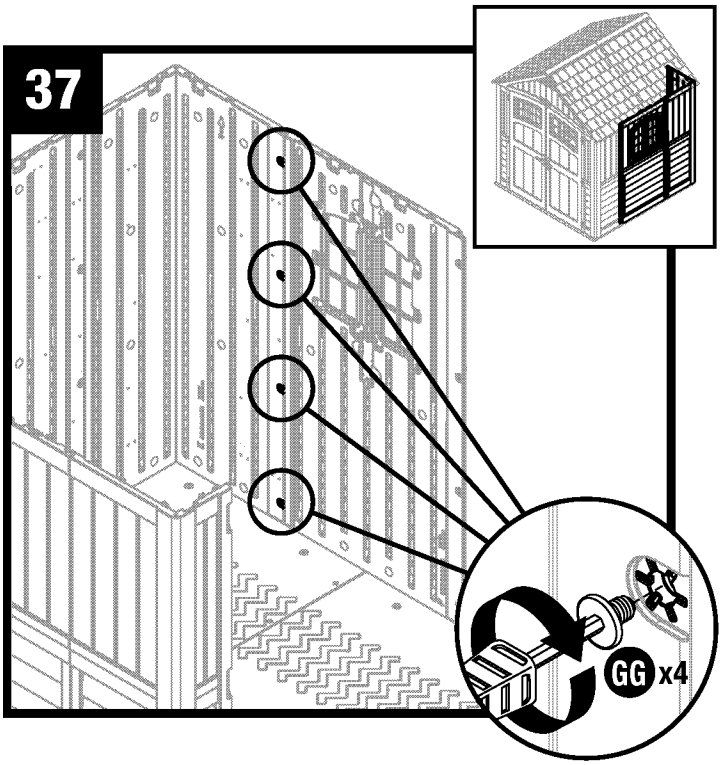
Note: *You may hear a click when easy bolt has been tightened completely.*

Shed Assembly/Walls (continued)



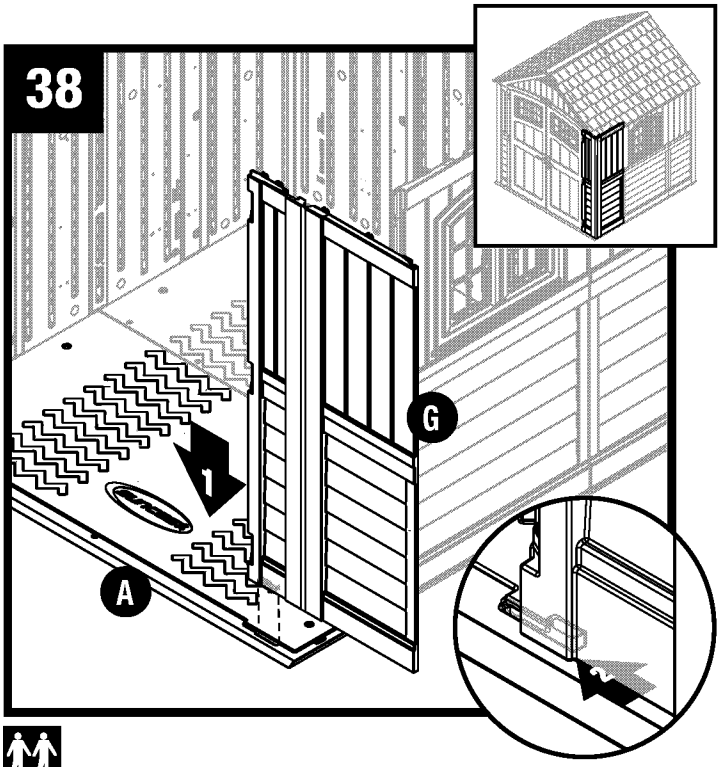
Align tabs on bottom of window panel (F) with slots along front and rear floors. Lower panel into slots and lock in place by sliding panel toward front corner.

Note: *Use a rubber mallet to "push" window panel (F) into locked position.*



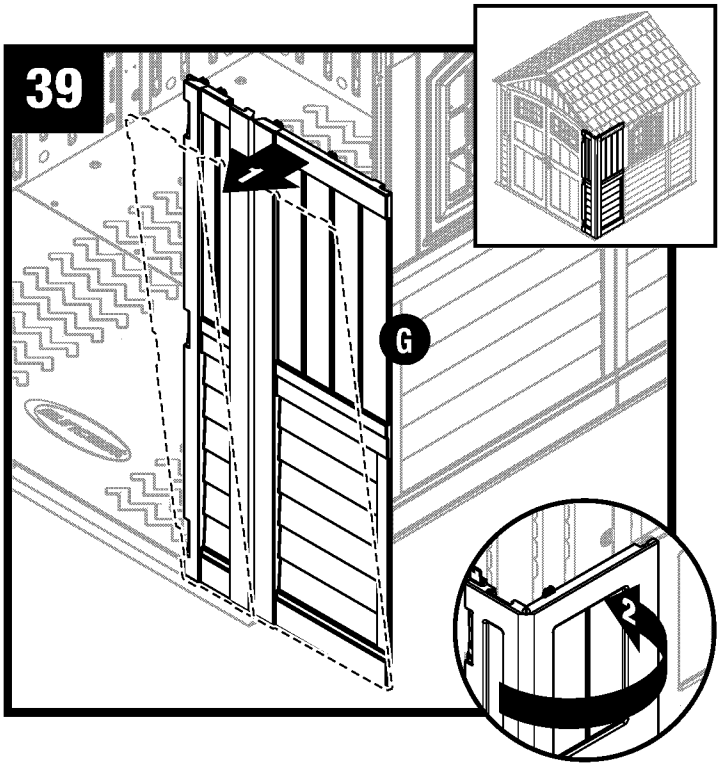
Secure window panel with four easy bolts (GG), working from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

Note: *You may hear a click when easy bolt has been tightened completely.*

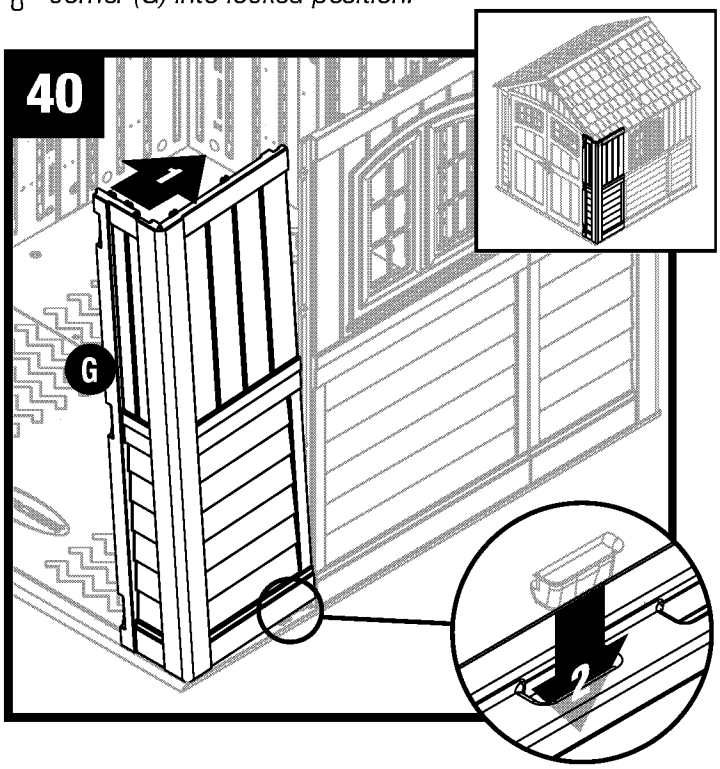


Align tab on bottom left side of right front corner (G) with slot on front floor (A). Lower panel into slot and lock in place by sliding panel toward door opening.

Note: *Use a rubber mallet to "push" right front corner (G) into locked position.*

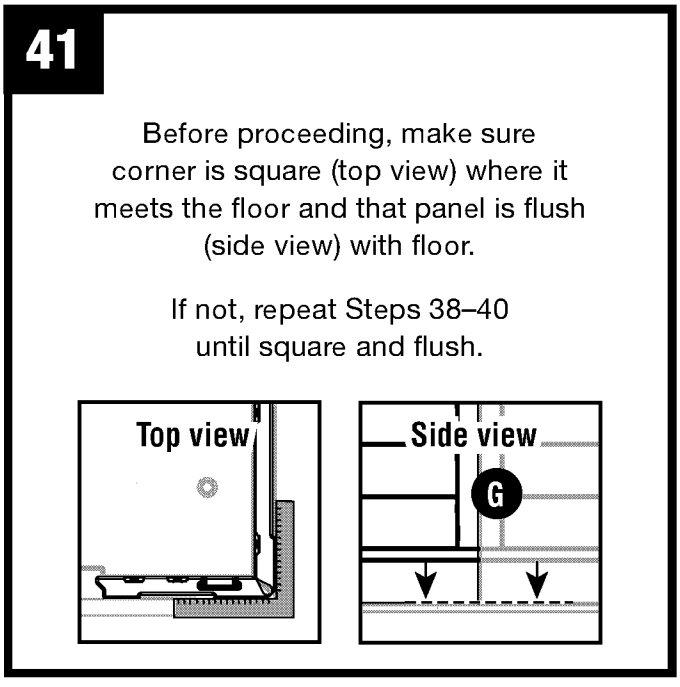


Tip left front corner (G) outward slightly and bend corner hinge.

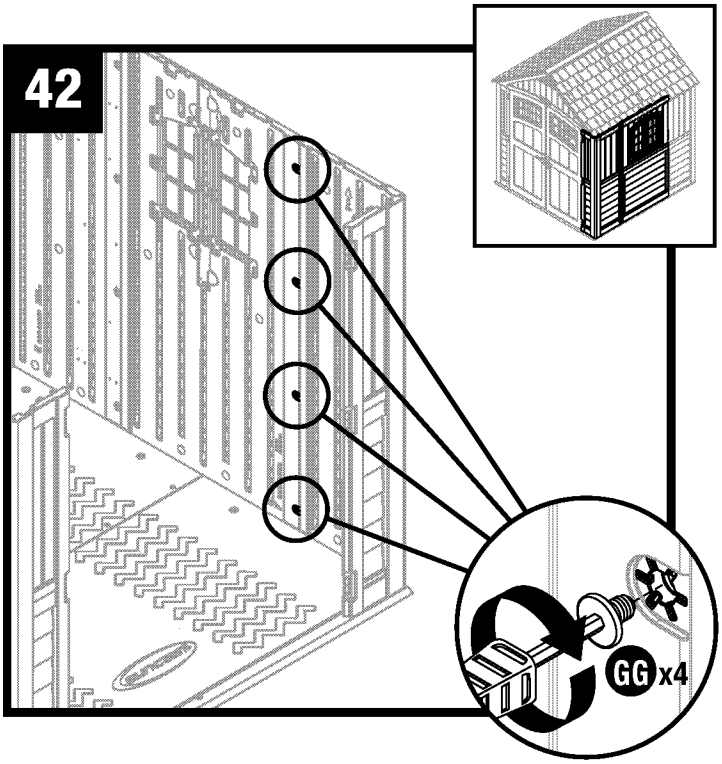


Tip right front corner (G) back to vertical position and align lower tabs on right side with slots in floor.

Note: *You will hear a snap when tab is fully engaged.*



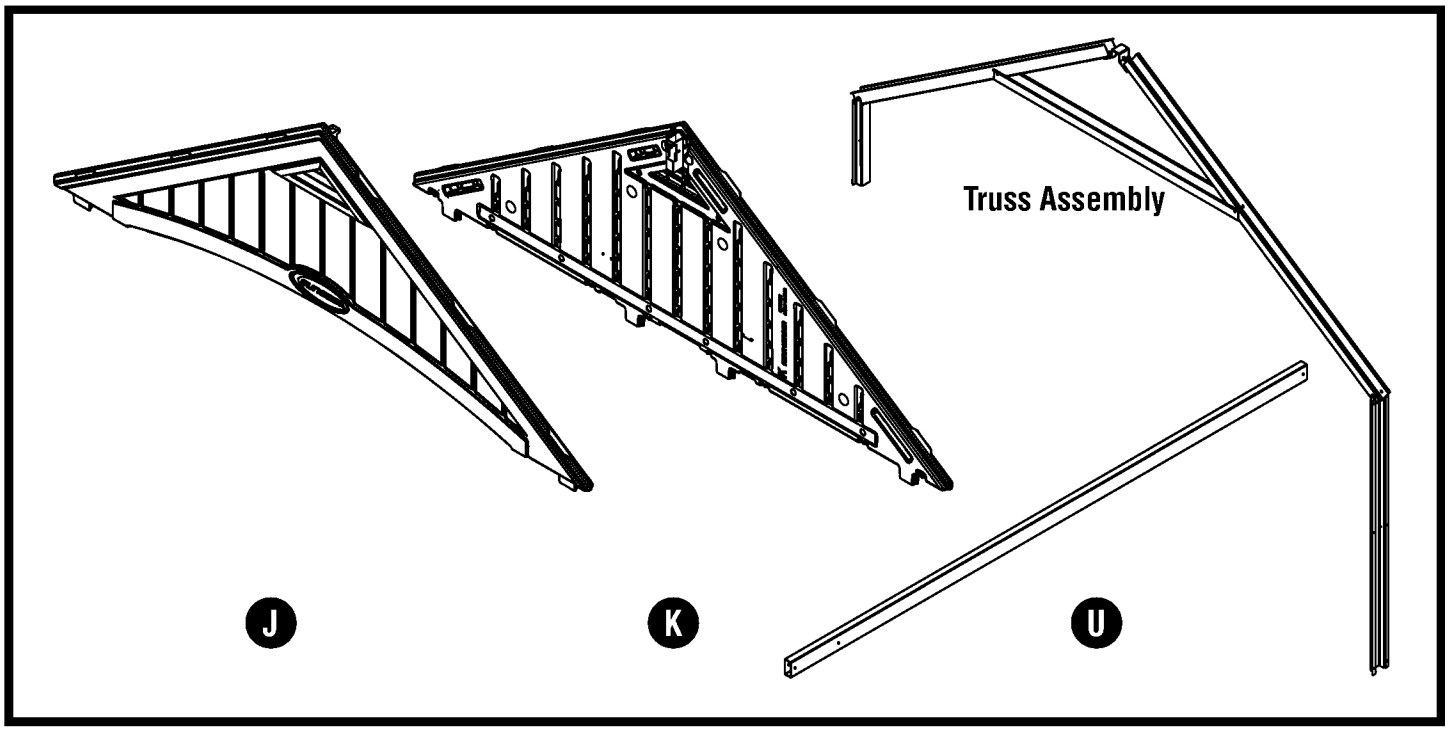
Shed Assembly/Walls (continued)



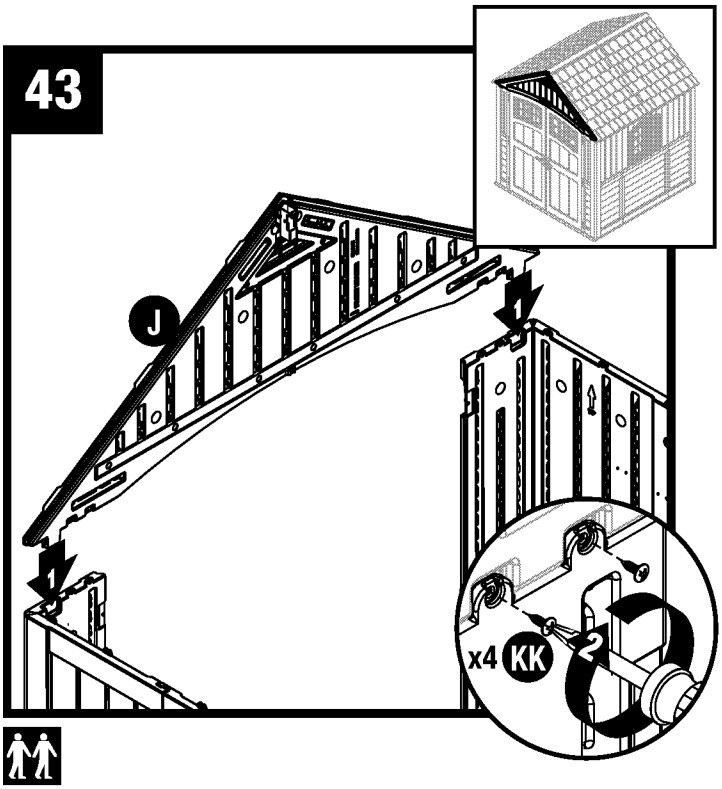
Secure right front corner with four easy bolts (GG), working from floor to roof. **DO NOT** use torque wrench. Use easy bolt easy driver (XX) and hand tighten. Easy bolt head will be flush when fully seated. **DO NOT** over tighten easy bolts.

Note: *You may hear a click when easy bolt has been tightened completely.*

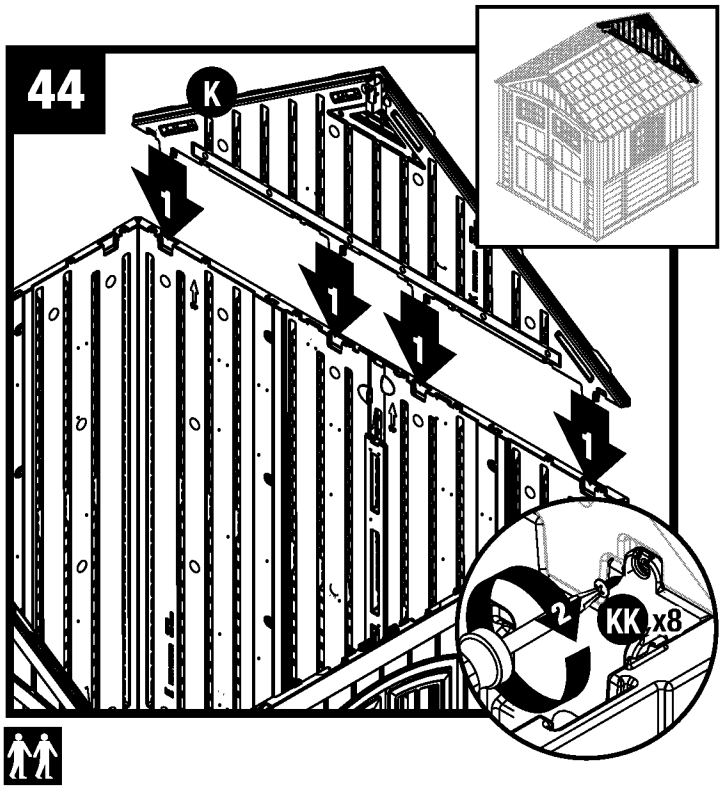
Shed Assembly/Headers and Truss



Note: *At least two people are needed during assembly.*

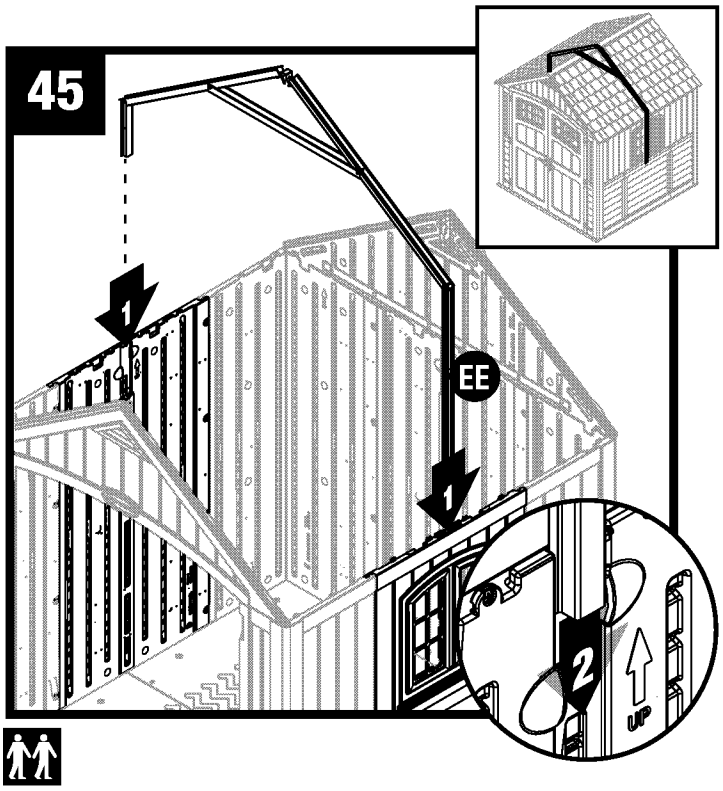


Place front header (J) over door opening and fit two protruding support legs into pockets molded in front corners. Secure front header using two screws (KK) in each front corner.



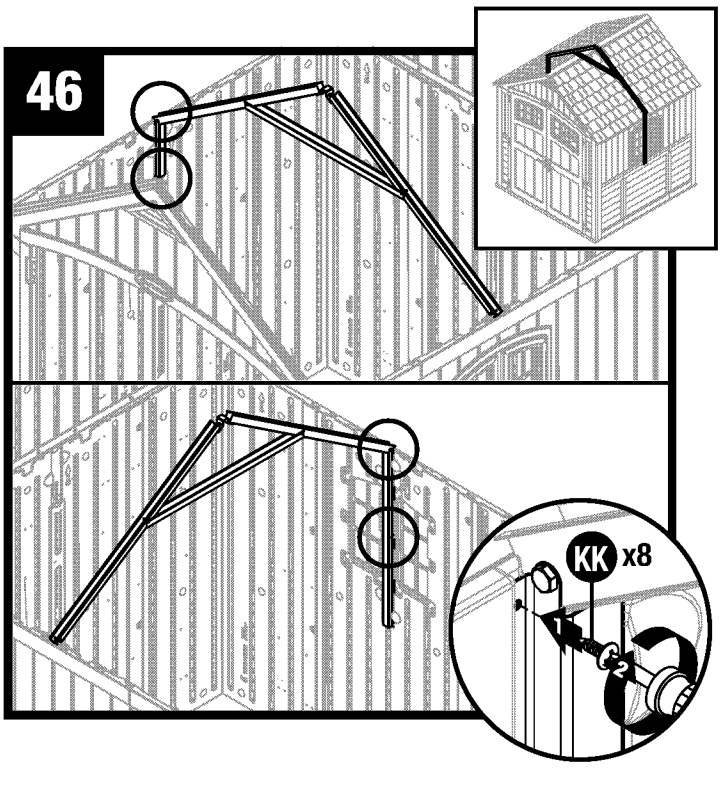
Place rear header (K) over back walls and fit four protruding support legs into pockets molded in back walls. Secure rear header using eight screws (KK).

Shed Assembly/Headers and Truss (continued)

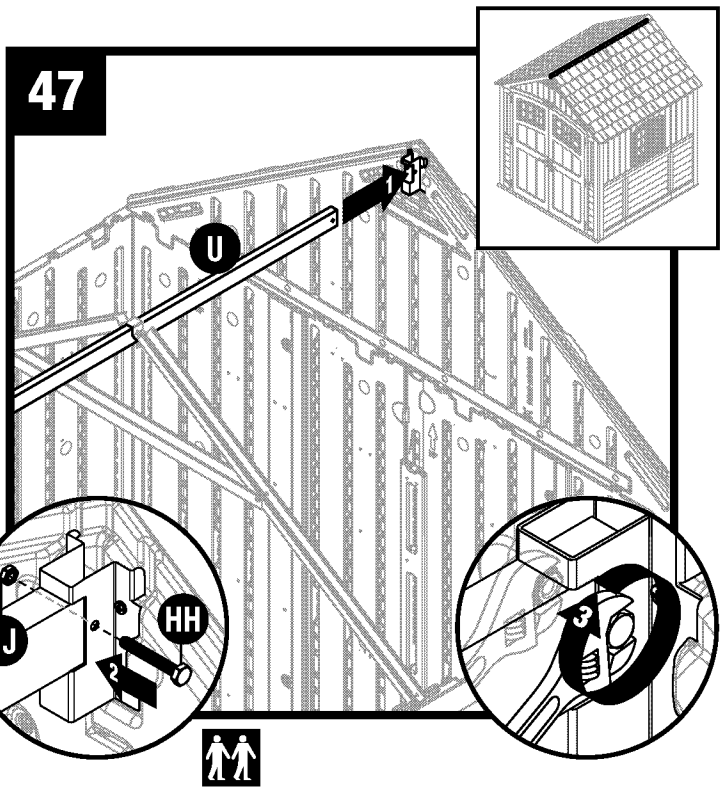


Slide truss assembly into place.

Note: *Window truss tie down (EE) MUST attach to window panel (F).*



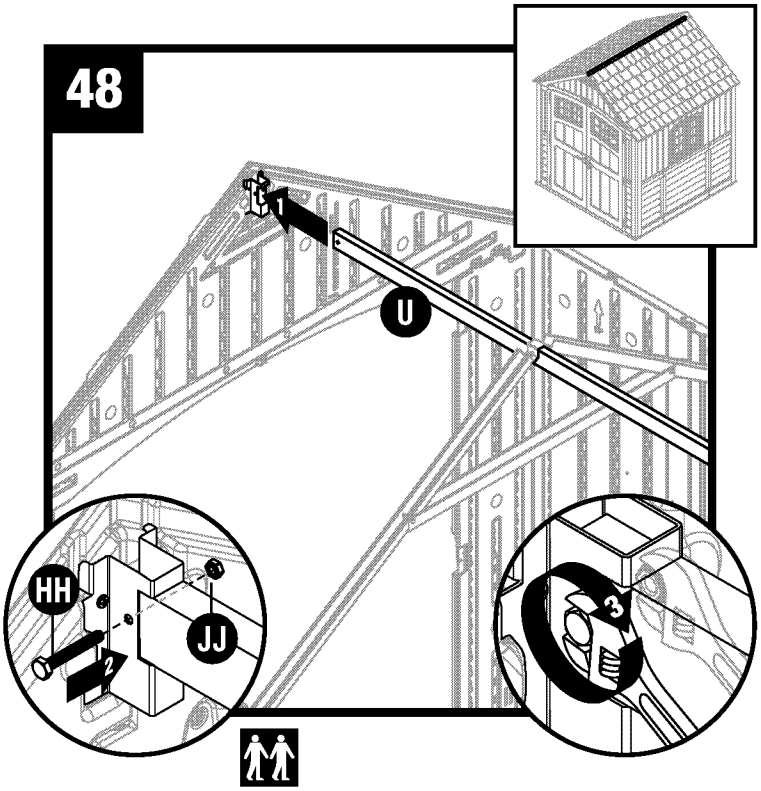
Secure to side panels with four screws (KK) in left truss tie down, and four screws (KK) in right truss tie down.



Raise ridge beam (U) up and into rear roof ridge beam bracket. Secure with one 2" hex head cap screw (HH) and one nut (JJ).

Note: *Alignment of ridge beam to bracket may require header panels to be pushed inwards or outwards slightly as ridge beam is slid into place.*

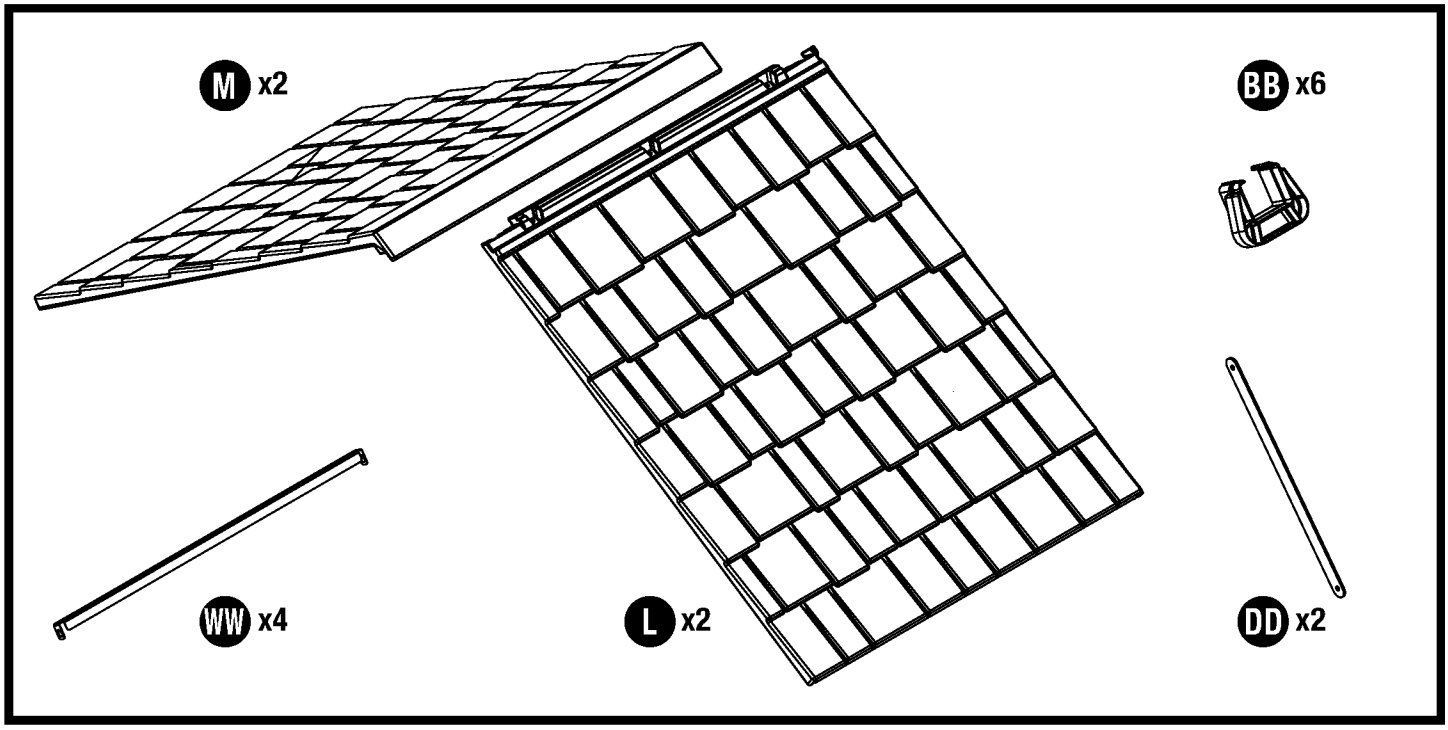
Shed Assembly/Headers (continued)



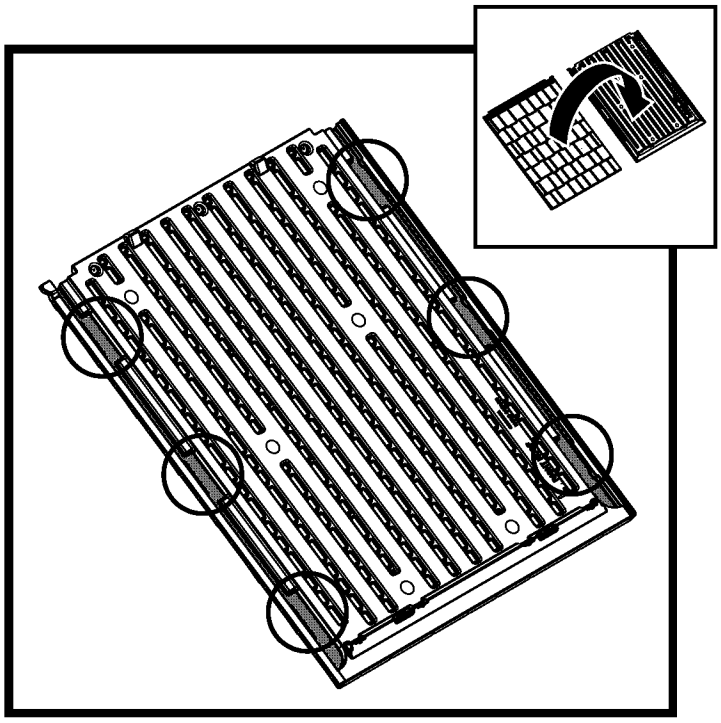
Slide ridge beam (U) into front roof ridge beam bracket. Secure with one 2" hex head cap screw (HH) and one nut (JJ).

Note: *Alignment of ridge beam to bracket may require header panels to be pushed inwards or outwards slightly as ridge beam is slid into place.*

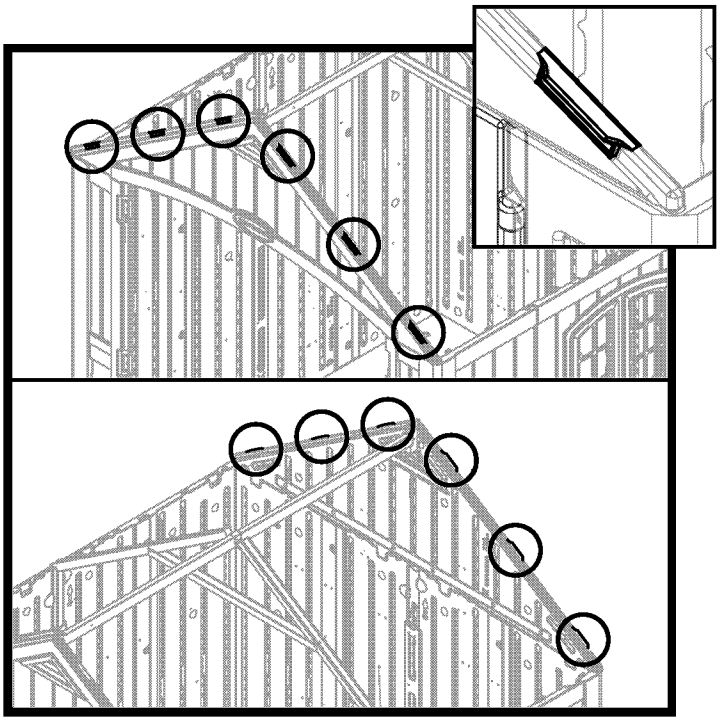
Shed Assembly/Roof



Note: *At least two people are needed during assembly.*

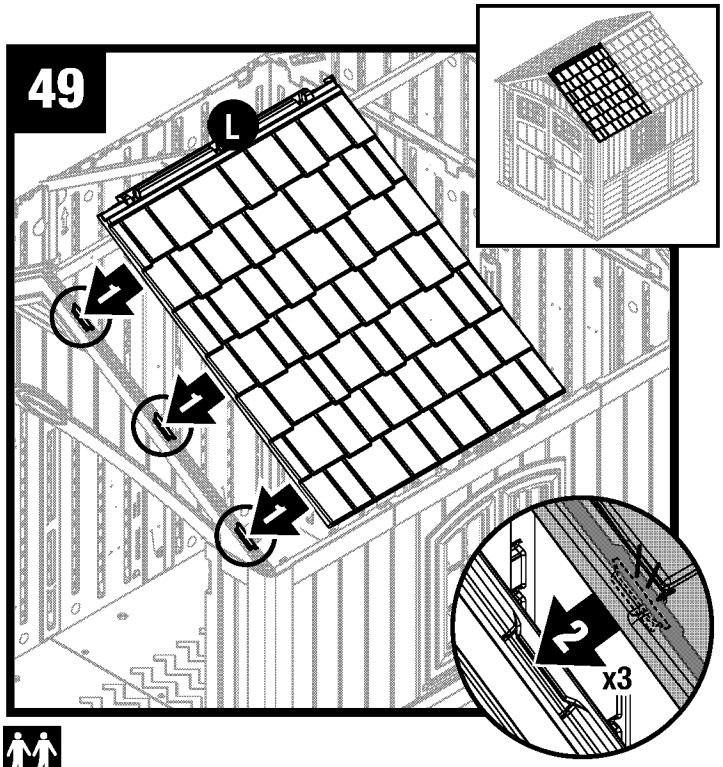


Before proceeding, locate and identify channels on interior side of right roof (L) and left roof (M). Locate three underside tabs contained within each channel.

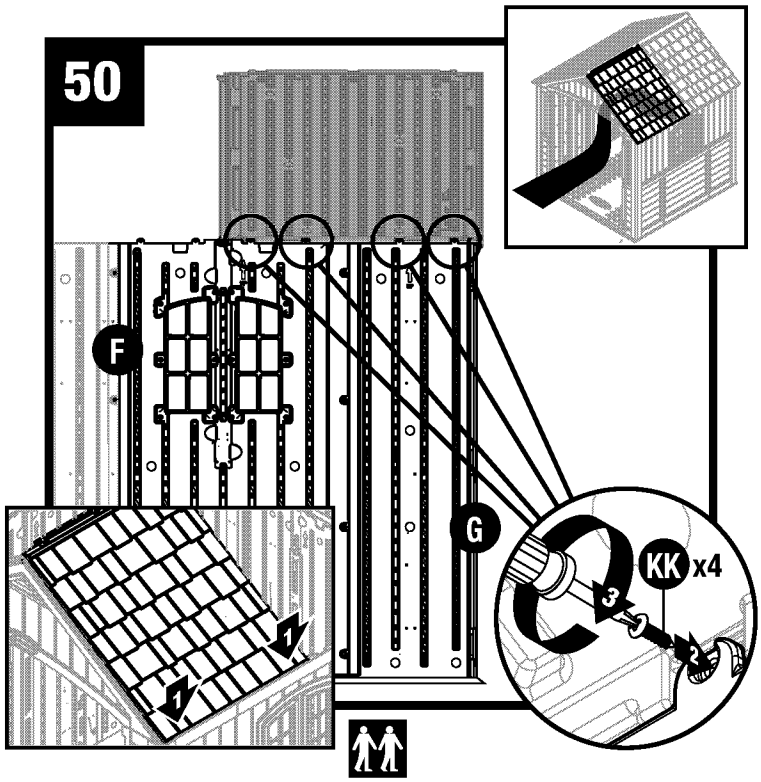


Before proceeding, locate and identify six front header tabs and six rear header tabs.

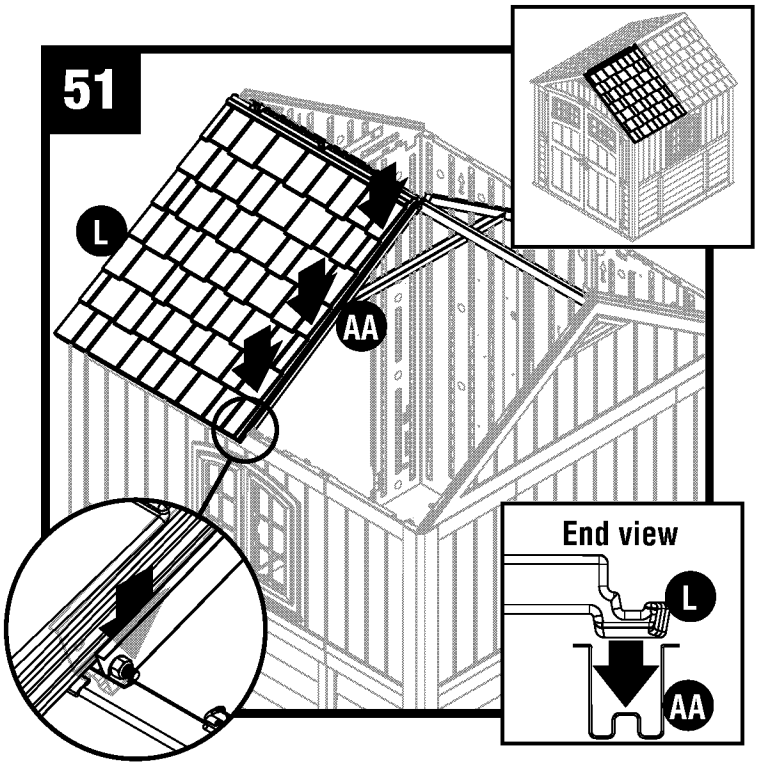
Shed Assembly/Roof (continued)



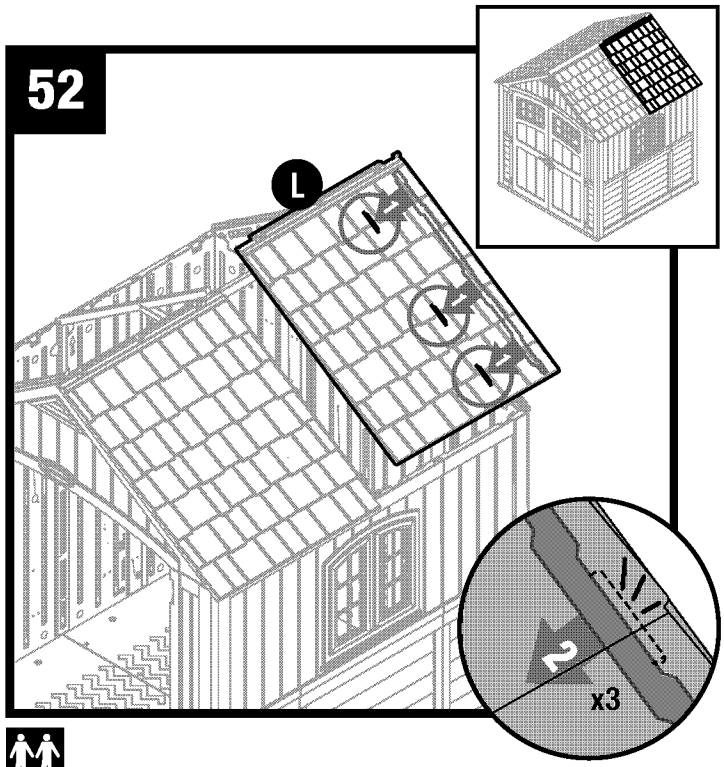
Lay right roof (L) directly over three tabs on right side of front header (J). With right roof channel seated over/on header tabs, pull right roof downward at each header tab until roof snaps in place.



Pull down each lower corner of roof from outside. From inside shed, attach tabs on window panel (F) and right front (G) corner to roof panel with four screws (KK).

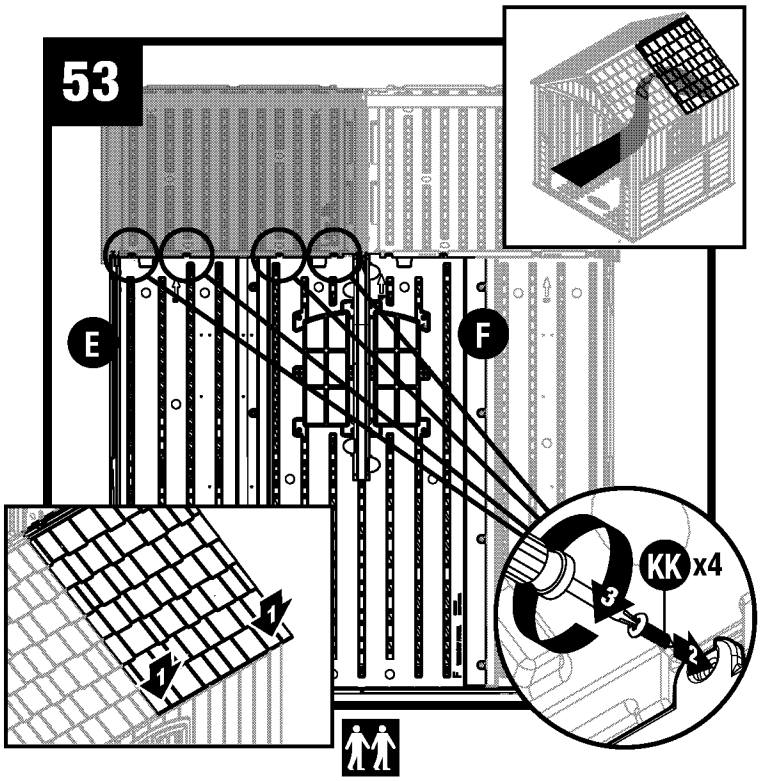


Press edge of right roof (L) into channel on truss leg (AA).

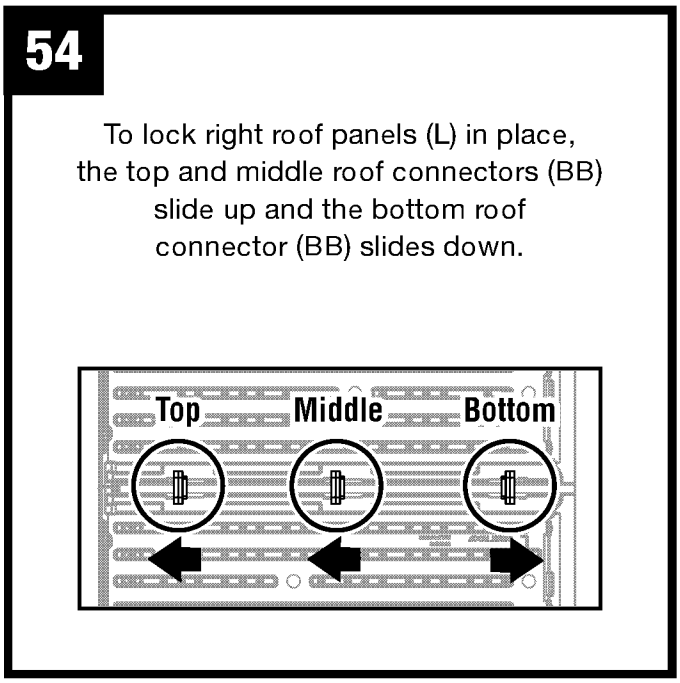


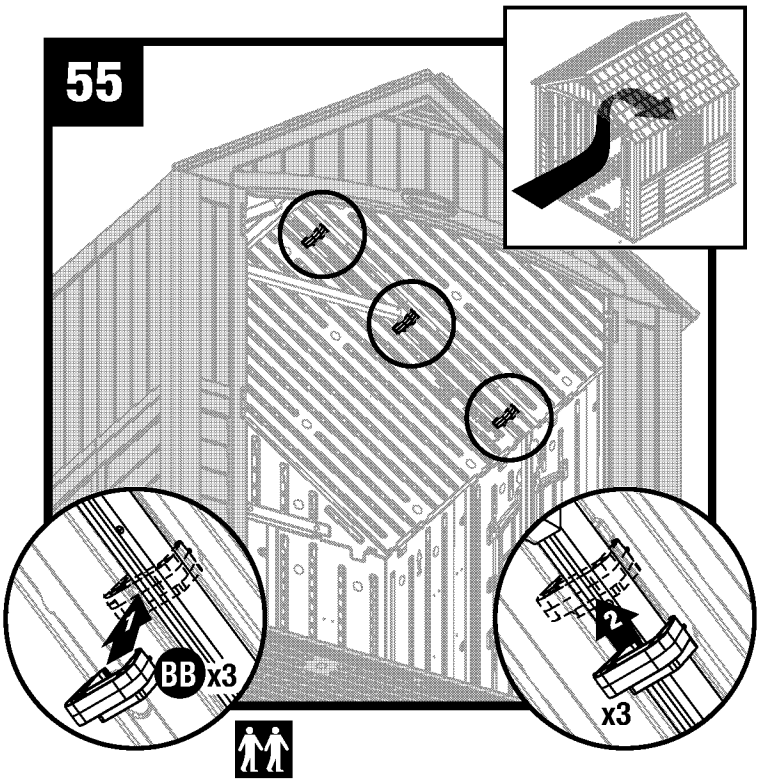
Lay remaining right roof (L) directly over three tabs on the right side of the rear header. With right roof channel seated over/on header tabs, pull right roof downward at each header tab until roof snaps in place.

Shed Assembly/Roof (continued)



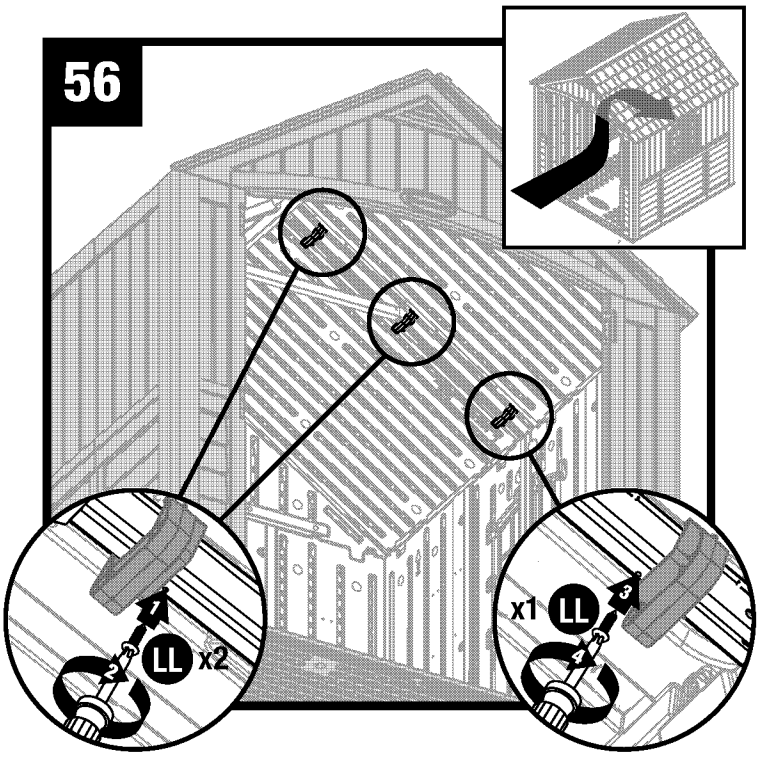
Pull down each lower corner of roof from outside. From inside shed, attach tabs on back corner (E) and window panel (F) roof panel with four screws (KK).





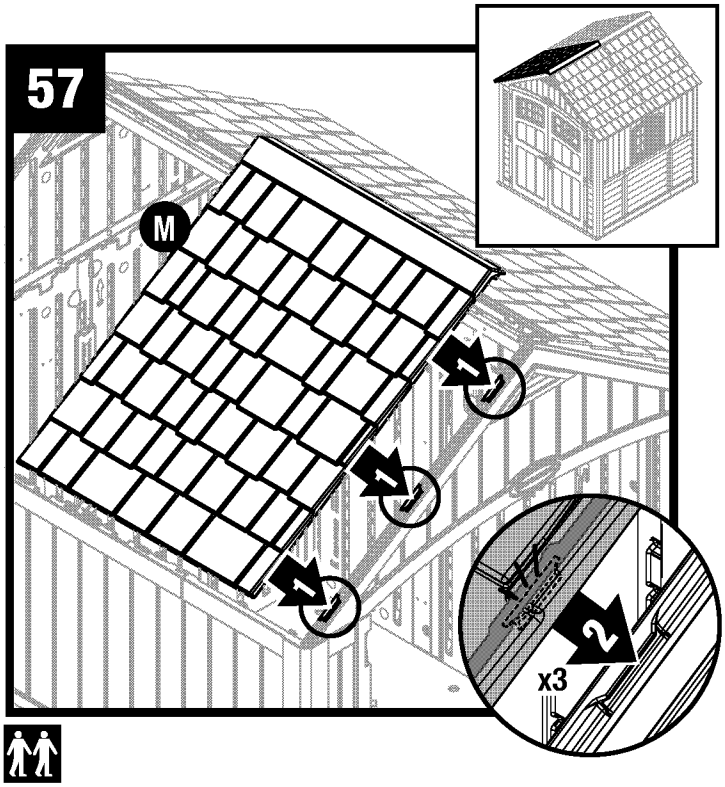
Secure right roof panels to truss with three roof connectors (BB) in corresponding slots in roof panels.

Note: *Have a second person push roof panels together to more easily lock roof connectors on.*

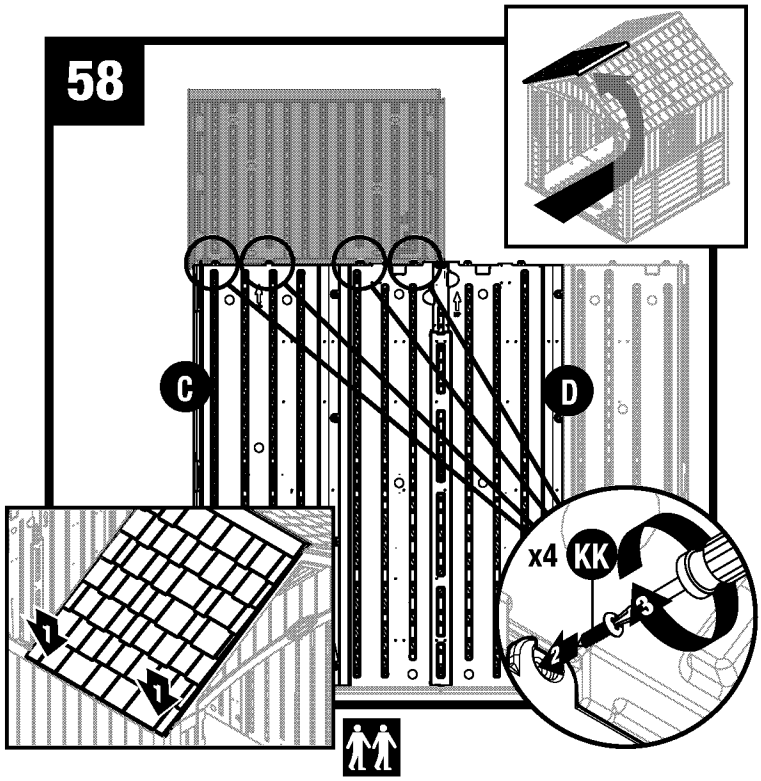


For lower roof connectors, install one screw (LL) into truss in front of roof connectors. For middle and upper roof connectors, install one screw (LL) into truss behind roof connectors.

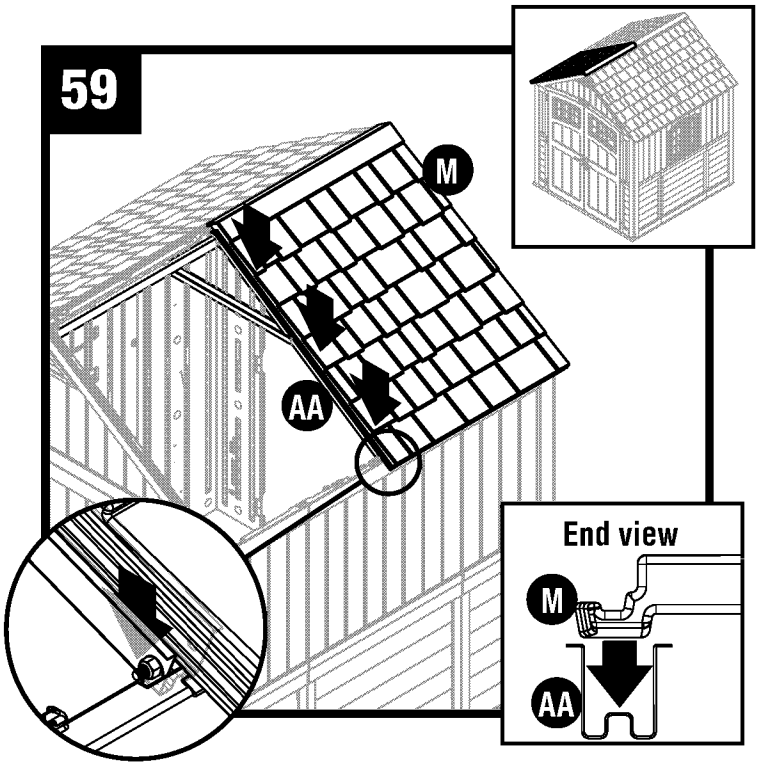
Shed Assembly/Roof (continued)



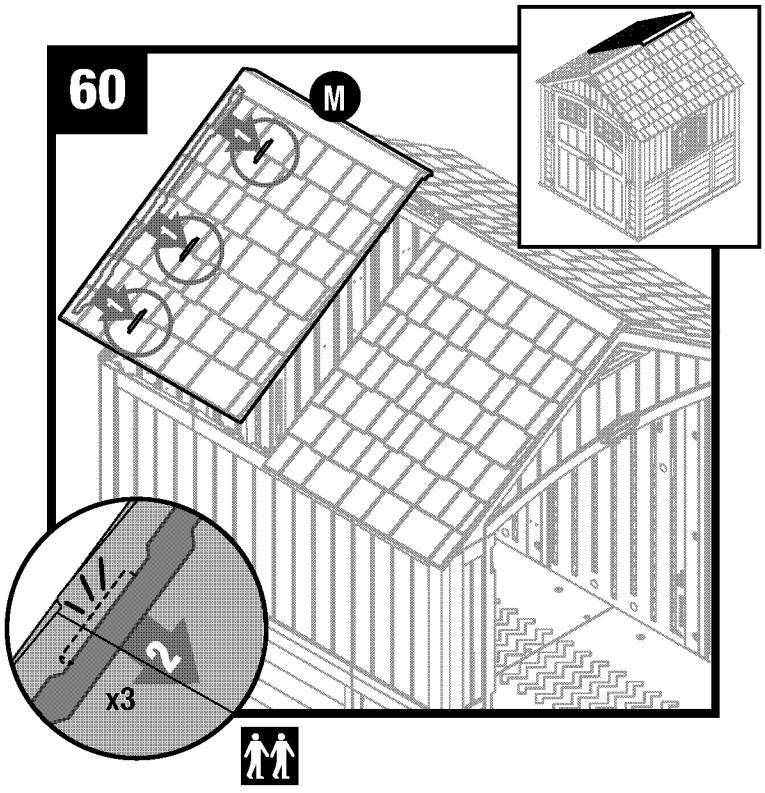
Lay left roof (M) directly over the three tabs on left side of front header (J). With left roof channel seated over/on header tabs, pull left roof downward at each header tab until roof snaps in place.



Pull down each lower corner of roof from outside. From inside shed, attach tabs on right front corner (C) and side panel (D) roof panel with four screws (KK).

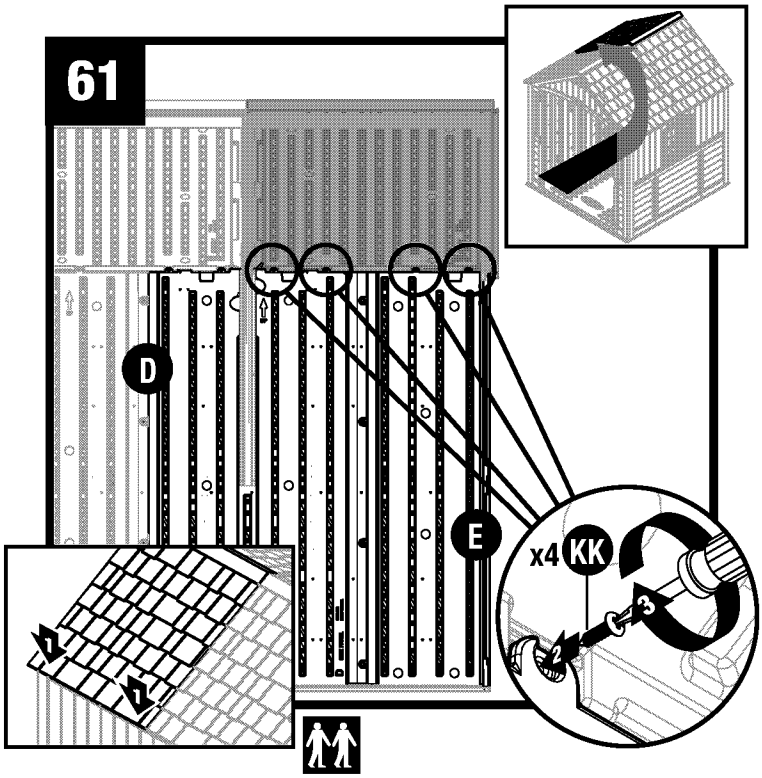


Press edge of left roof (M) into channel on truss leg (AA).

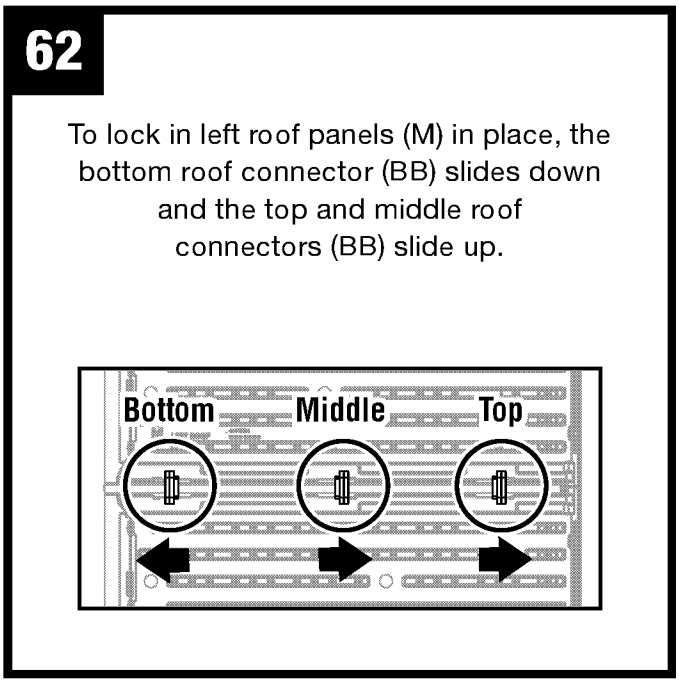


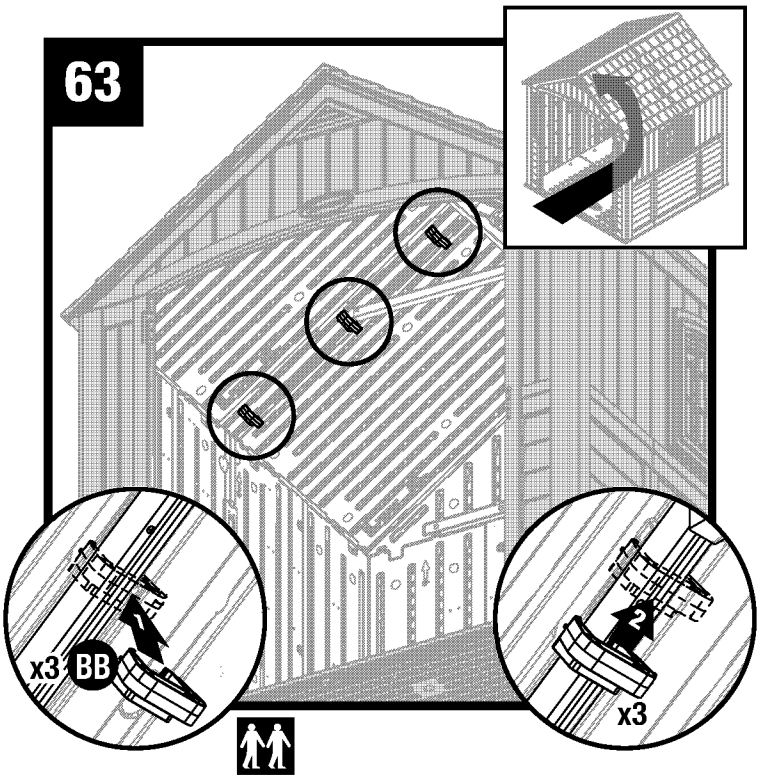
Lay remaining left roof (M) directly over three tabs on the left side of the rear header (K). With left roof channel seated over/on header tabs, pull left roof downward at each header tab until roof snaps in place.

Shed Assembly/Roof (continued)



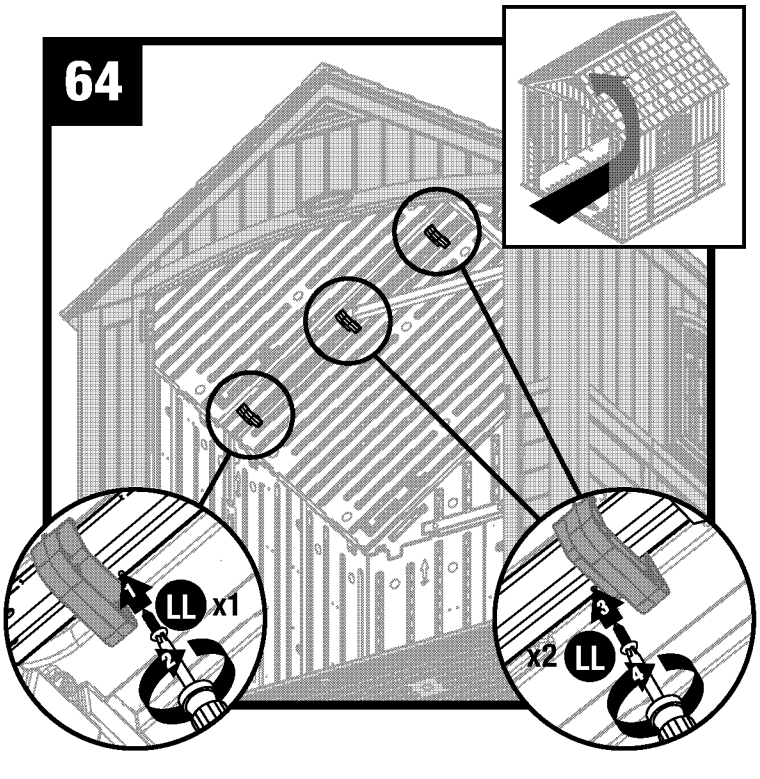
Pull down each lower corner of roof from outside. From inside shed, attach tabs on side panel (D) with back corner (E) with four screws (KK).





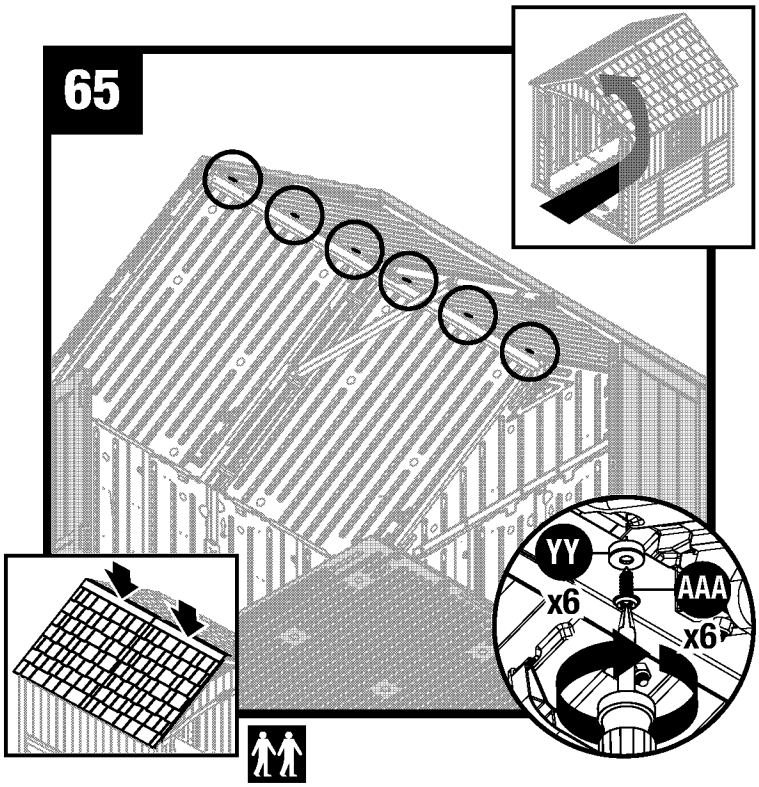
Secure left roof panels to truss with three roof connectors (BB) in corresponding slots in roof panels.

Note: *Have a second person push roof panels together to more easily lock roof connectors on.*



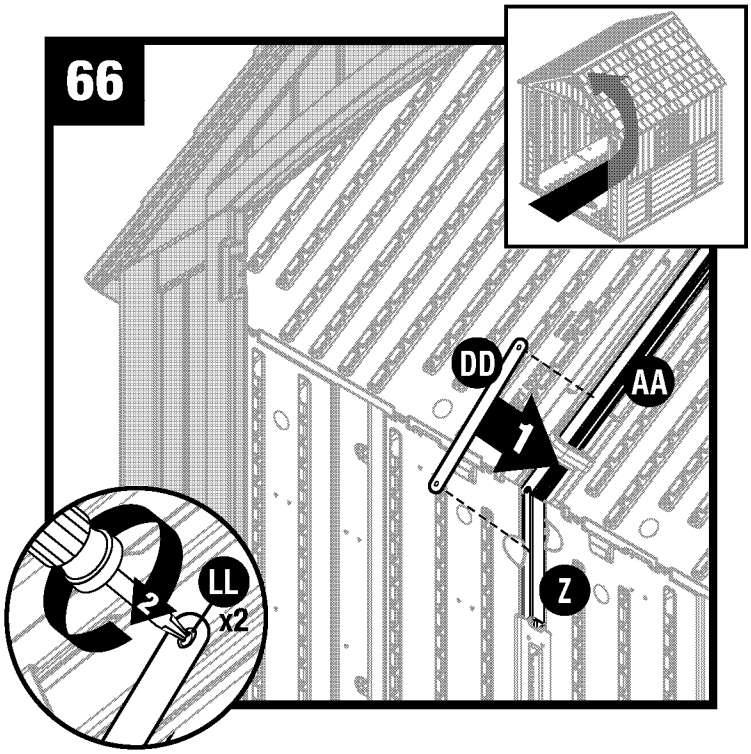
For lower roof connectors, install one screw (LL) into truss in front of roof connectors. For middle and upper roof connectors, install one screw (LL) into truss behind roof connectors.

Shed Assembly/Roof (continued)



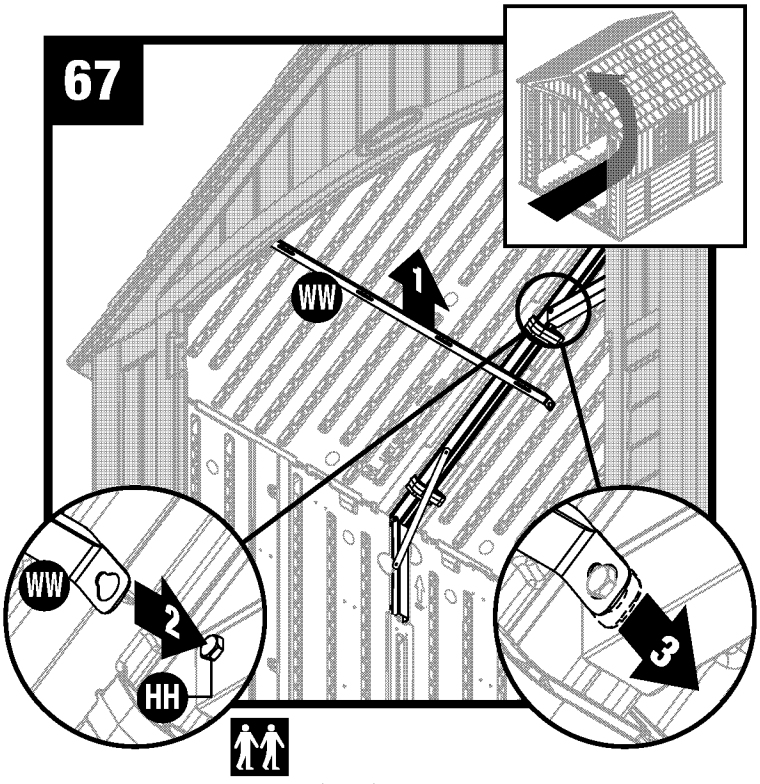
Push down the roof from outside. From inside shed, secure roof panels together along ridge of roof using six rubber washers (YY) and six sealing screws (AAA).

Note: *For clarity, illustration is shown with front header, right front corner, and window panel removed.*

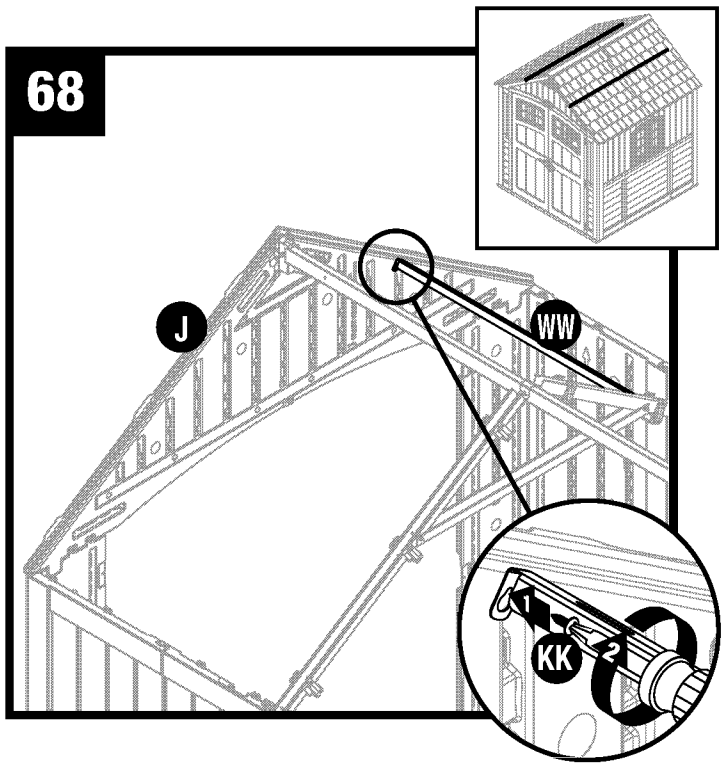


Attach truss strap (DD) to left truss tie down (Z) and truss leg (AA). Secure with two screws (LL).

Repeat for right side of truss.



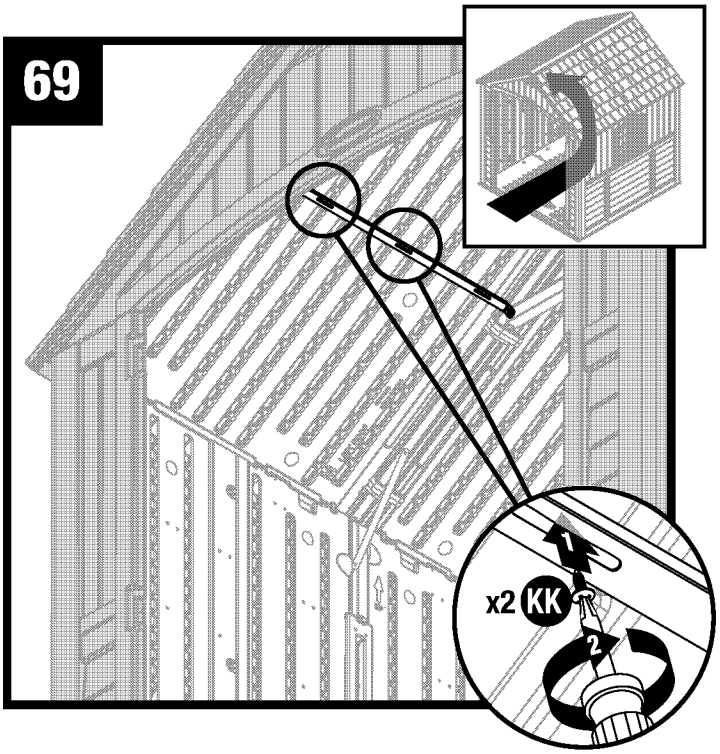
Raise roof support bar (WW) up against roof. Slide end of support bar over hex bolt (HH) on truss leg. Slide support bar down to lock into place.



Secure the other end of roof support bar (WW) to front header (J). Secure with one screw (KK).

Note: *For clarity, illustration is shown with roof removed.*

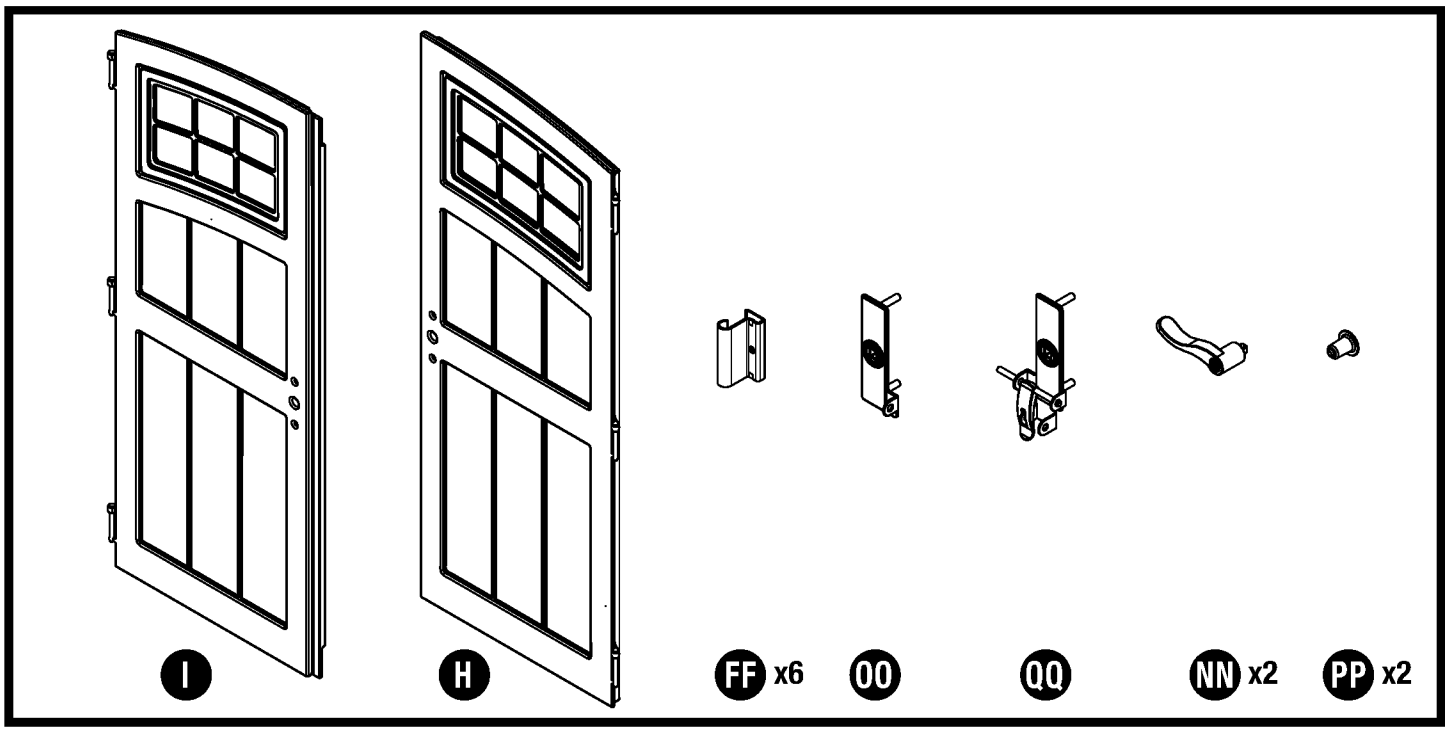
Shed Assembly/Roof (continued)



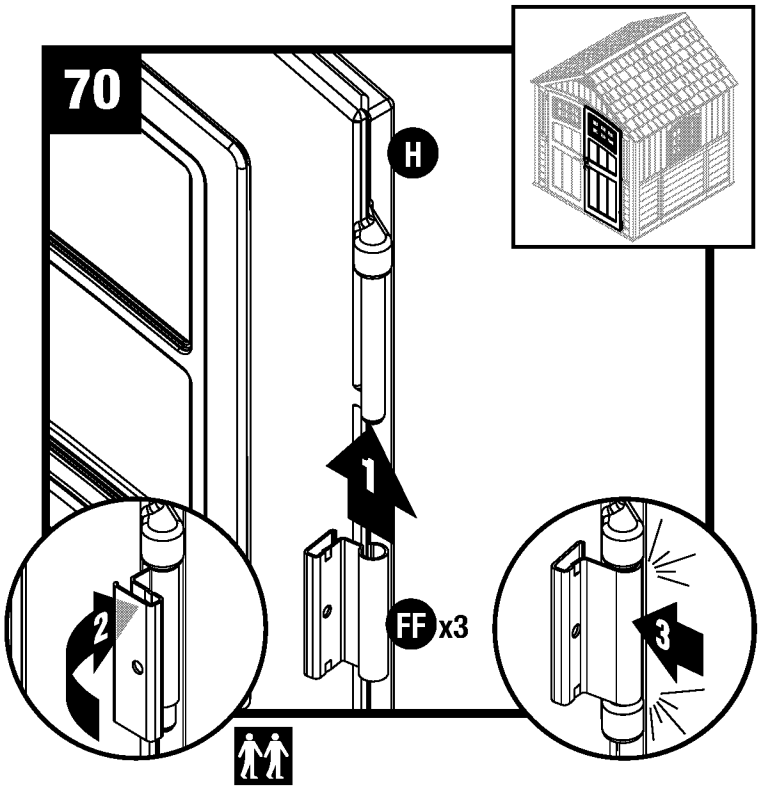
Secure roof support bar to roof using two screws (KK).

Repeat Steps 67-69 for remaining roof support bars (WW).

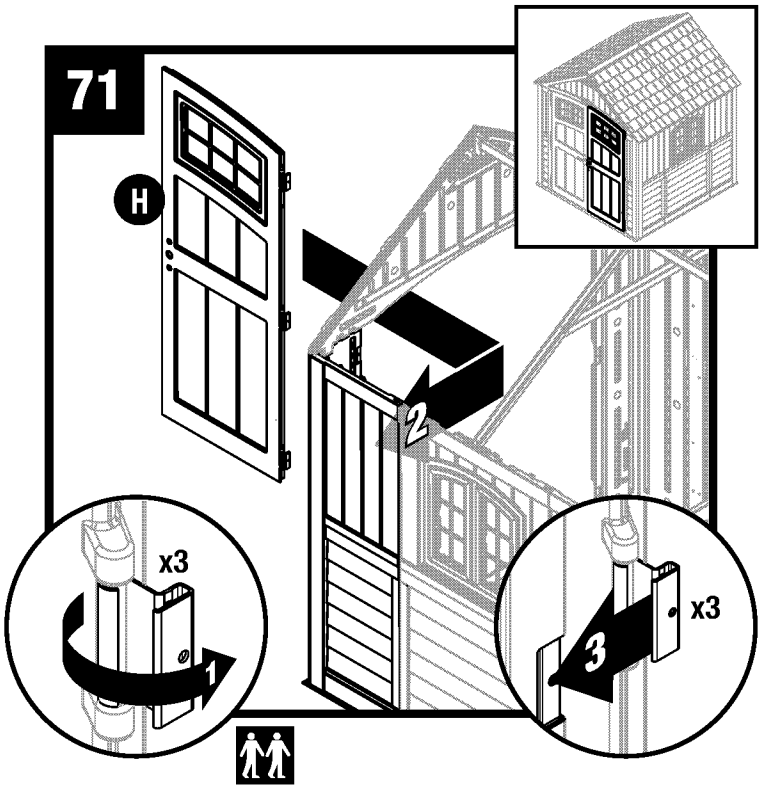
Shed Assembly/Doors



Note: *At least two people are needed during assembly.*



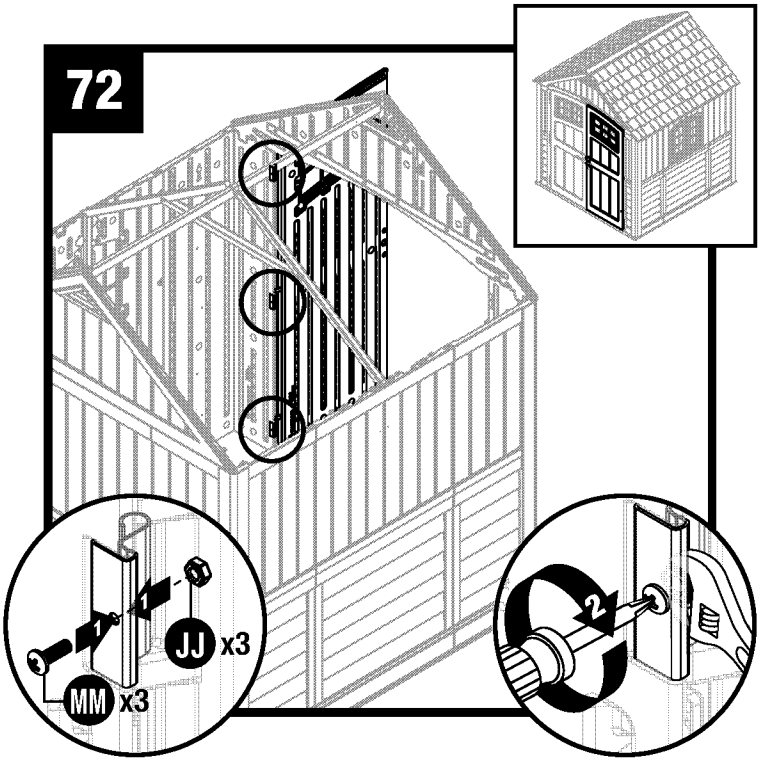
Stand right door (H) upright with three hinge mounts facing right. Slide one metal hinge plate (FF) up onto each hinge mount. Rotate hinge plates to outside of door. Snap metal hinge plate into place by pushing towards door.



Rotate metal hinge plates to open position. Slide one metal hinge plate over each hinge receptacle on inside of right front panel.

Note: *For clarity, illustration is shown with roof removed.*

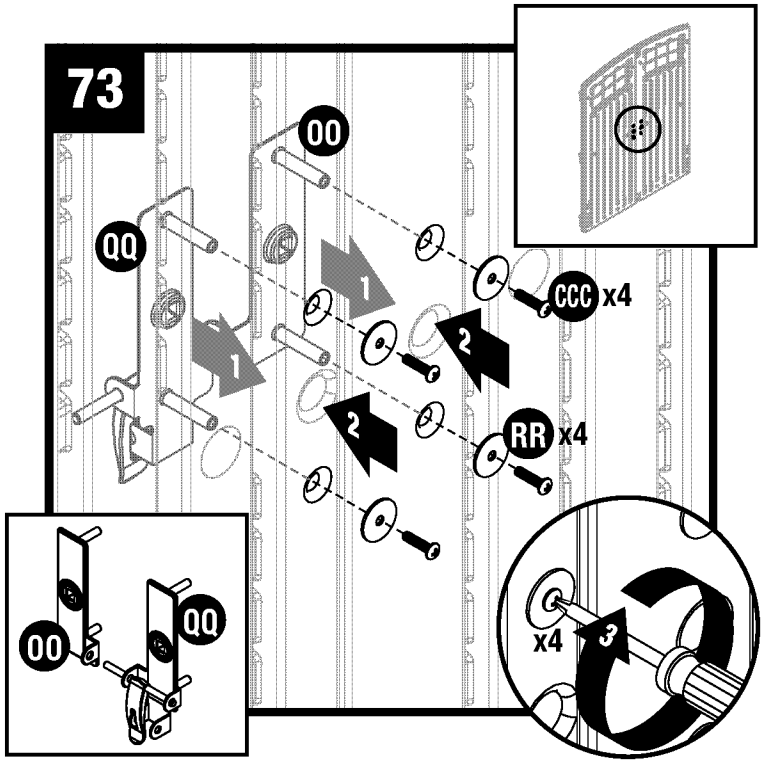
Shed Assembly/Doors (continued)



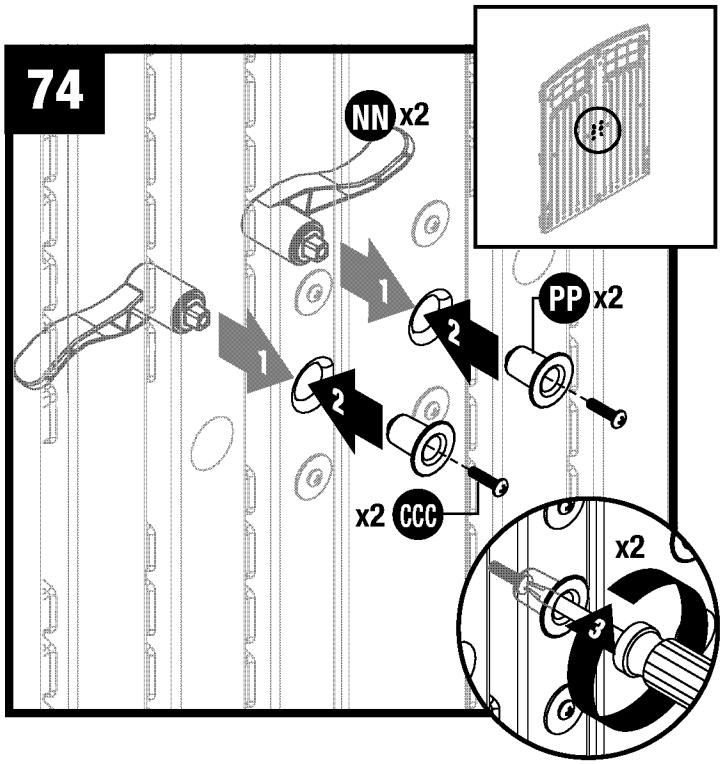
Secure each metal hinge plate with one screw (MM) and one nut (JJ).

Repeat Steps 70-71 for left door (l).

Note: *For clarity, illustration is shown with roof removed.*



Insert screw stems, on left and right handle plates (*OO*) and (QQ), through the pre-drilled holes in doors. While holding plates in place on exterior of door, secure each with two washers (RR) and two machine screws (CCC).



From the outside of doors, insert door handles (NN) through handle plate holes. On inside of doors, place spacers (PP) on each door handle, and secure each with one machine screw (CCC).

Complete.

Warranty

Suncast® Corporation, 701 North Kirk Road, Batavia, Illinois 60510 (Manufacturer) warrants to the original purchaser only that the enclosed product is free from material and workmanship defects under normal, household use at time of purchase.

This limited warranty does not apply to damage resulting from accident, neglect, misuse, commercial use, alteration, operation not in accordance with instruction or repairs made or attempted by unauthorized persons.

This limited warranty applies only to the product enclosed and does not apply to accessory parts.

THE MANUFACTURER'S LIABILITY HEREUNDER IS LIMITED SOLELY TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT OR PART AND THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT FROM ANY DEFECT IN MATERIAL OR WORKMANSHIP OR FROM THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or a limitation of how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights which may vary from state to state.